Faculty Profile

Personal Information

- **Name:** Dr. Anil Kumar B
- **Designation:** Associate Professor
- **Department:** Computer Science and Engineering
- **Email:** anilkumarb.rvitm@rvei.edu.in
- **Phone:** 91-9342834667

Google Scholar: **https://scholar.google.com/citations?user=94cHtaYAAAAJ&hl=en**

LinkedIn: www.linkedin.com/in/prof-anil-kumar-b-undefined-6aa58b357

ORCID: 0009-0007-7706-8117

Domain of Expertise

- **Blockchain Technology**
- **Computer Networks**
- **Network Security & Cybersecurity**
- **Web Technologies**
- **Quantum Secure Cryptography**

Research Focus

- **Primary Area:** Network Security & Cybersecurity
- **Allied Areas:**
    - Quantum Cryptography

Academic Qualifications

- **Ph.D.**: [Computer Science & Engineering], [Visvesvaraya Technological University, Belagavi], [2024]
- **M.Tech** : [Computer Network Engineering], [Dayananda Sagar College of Engg., VTU, Belagavi], [2014]
- **B.E.** : [Information Science and Engineering], [Dayananda Sagar College of Engg., VTU, Belagavi], [2011]
- **DCS&E:** [Computer Science & Engineering], [DTE, Karnataka],[2008]

Professional Experience

Experience

Sl. No	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV Institute of Technology and Management	**Associate Professor**	**2026- Till Date**
2.	RV Institute of Technology and Management.	Asst. Professor	2021 – 2026
3.	Dayananda Sagar Academy of Technology and Management.	Asst. Professor	2014 - 2021
4.	KS Group of Institutions.	Lecturer	2011 -2012

Publications & Patents

Journal Publications

Journal Articles (Q2,Q3,Q4)

1. Anil Kumar B, “Human-Guided Agentic AI for skill formation in Indian Higher Education: A Framework centered study for Learner Modelling, Skill-Gap analysis and responsible evaluation ”, International Journal of Special Education ,IJSE, 2026, 41(7s),1123-1140 https://internationalsped.com/index.php/ijse/article/view/3323 **(Q3).**
2.
3. Anil Kumar B, “Automatic Image Annotation and Retrieval using Fuzzy C-Means Clustering with Gaussian Bare Bones White Shark Optimization”, International Journal of Intelligent Engineering and Systems IJIES **(Q2).**
4. Anil Kumar B, Anitha J , "Decentralized Application for selling agricultural production through blockchain", International Journal of Intelligent Systems and Applications in Engineering, Vol. 12 No.7, pp. 472-479, ISSN: 2147-6799, 2024 **(Q3).**
5. Anil Kumar B,Anitha J ,"Farmer Assistant fertilizer prediction system", Journal of Harbin Engineering University ,ISSN: 1006-7043 , vol. 45, no. 01, pp. 264-270, UGC Care Group II, 2024 **(Q4).**
6. Anil Kumar B, Manjunath DR ,”Source Location Privacy for Geographical Routing in Wireless Sensor Networks: SLPGR, International Journal of Computer Networks and Applications (IJCNA), Vol 8, Issue 4 , 2021 **(Q3).**
7. Anil Kumar B, ” Detection of Fake Product Using Blockchain, Journal Homepage Link-https://indianapublications.com/Journals/IJMR -2024

Journal Articles (Indexed)

1. Gnanika K,Sreehitha ,Keerthana , Anil Kumar B, “MLOps-Driven Intelligent Platform for Government Procurement Price Benchmarking Using Regional and Financial Attributes “' is published online in the Advanced International Journal for Research (AIJFR) E-ISSN: 3048-7641 AIJFR25061868 Volume 6, Issue 6, December 2025
2. Anil Kumar B, AI-Driven Personalized Learning and Content Extraction: An Emerging Paradigm' is published online in the Journal of Information Security System and Cyber Criminology Research, e-ISSN: 3048-7072, Volume 1 Issue 3.
3. Anil Kumar B, Enhancing Academic Excellence through Autonomy : A Data-Driven Analysis of NIRF Rankings in South Indian Higher Educational Institutions' is published online in the Journal of Hacking Techniques, Digital Crime Prevention and Computer Virology, e-ISSN: 3048-9156, Volume 1 Issue 3.
4. Anil kumar B, Real time implementation of bi-histogram equalization method on android platform, IRJET Volume 5 Issue 8 August 2018,E_ISSN: 23950056.
5. Anil kumar B ,Three tier security architecture for cloud networking “IJERCSE Volume 5,Issue 8, Page 8-15 August 2018, ISSN:23942320.
6. Anil kumar B, Anitha J, "Multicast Routing Protocol for Energy Efficiency in Wireless Sensor Networks", INCOSE INTERNATIONAL SYMPOSIUM, Indexed Wednesday, August 30 2017 | Published Saturday, July 1 2017.
7. Anil kumar B, Anitha J , “ Detection of Intrusion through Big data Analytics for Wireless Sensor Networks”, International Journal of Science, Engineering and Technology, ISSN (O): 2348-4098 , ISSN (P): 2395-4752 May-2017.

Conference Papers(Proceedings)

1. Anil Kumar B , Rajeshwari J, MediScan-Know Before You Dose Scan QR Codes to Track Expiry Dates and Unlock Trusted Medicine Details 9th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions CSITSS-2025 , Organized by RV College of Engineering®, 20 to 22 November 2025
2. Anil Kumar B, ”Student Smart Monitoring System using Face, "INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTATIONALENGINEERING ANDTECHNOLOGIES(ICRTCET – 2024), 25th– 26th July 2024 at RRCE , Bengaluru.
3. Anil Kumar B, “Efficient Model for Multiview classification for diagnosis of Brain Tumors” , 2023 International Conference on the Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management (IC-RVITM), IEEE Conference, DOI: 10.1109/IC-RVITM60032.2023.10435348.
4. Anil Kumar B ,Anitha J, ” Agriculture Data Precision on Geographic information system using Bigdata Analytics” , ICOECA -2022 3-4 Feb 2022, Springer Conference.
5. Anil Kumar B, “Recognition of Leaves for Herbal Identification using different ML Techniques” Sixth National Conference on Convergence of Science, Technology & Management,May-2020.
6. Anil Kumar B, “Aversion of Jamming Attacks using Cryptographic and Stenographic Techniques”, Fourth National Conference on Convergence of Science, Technology & Management ISBN:978-93-85682-54-4,May-2018.
7. Anil kumar B, “SENTIMENTAL CLASSIFICATION OF DYNAMIC TWEETS USING SELF-LEARNING TECHNIQUE “, National Conference on Convergence of Science, Technology & Management ISBN: 978-93-84935-97-9 , May-2016.
8. Anil kumar B, “Forfending Data Access Mechanism For DTN” , National Conference on Green Computing Technologies, NCGCT-2015, Page No-41, ISBN:978- 93-84935- 31-3, DSATM College, Bangalore, May 2015.
9. Anil Kumar B, Shiva Sumanth Reddy,”ROBOT INTERFACE USERGUIDE FOR ROBOT PILOTAGE ON ANDROID PLATFORM”, National Conference on Green Computing Technologies, NCGCT-2015, Page No-41, ISBN:978-93-84935-31-3, DSATM College, Bangalore, May 2015.
10. Anil Kumar B, BhaskaraRao N, Sunitha M S. “Authentication of the message through Hop-by-Hop and Secure the source nodes in Wireless Sensor Networks” 3rd International Conference on Frontiers of Intelligent Computing Theory and Applications FICTA -2014 , Published in Springer AISC November -2014 (Scopus Indexed).
11. Anil Kumar B, Bhaskara Rao N, Sunitha M S. “Privacy and Authentication of grid through Cryptography and Virtual Organization ”, ICSCI ,10th International Conference on Systemics, Cybernetics and Informatics. IEEE Hyderabad Section. February 2014. (Scopus Indexed).

Books/Book Chapters

Title: C Programming for Problem Solving
ISBN - 978-81-937245-4-5,Published on **August 2019**

Patents [Filed / Published / Granted]

1. Patent Number: 201941034389 dated 27-08-2019
   Title: Interpret Sign Language Using Smart Glove Status: Granted.
2. Title: Hybrid Renewable Energy Management System using IoT and AI for grid stability (Granted on 17.11.2025) German Utility Model
3. Title: Hybrid Renewable Energy Management System using IoT and AI for grid stability (Granted on 17.11.2025) **German Utility Model.** Status: Granted. (202025105537)
4. Title: Social Media Drug Trafficking Identification Using Blockchain.
   Status: Filed through IPR Cell (2026)
5. Title: AI Based device for Dust Storm Prediction. (Design Application)
   Status: Application no: 511052001. (July 2026)

R & D Grants & Consultancy Projects

Completed Research Projects

1. VGST GoK Sponsored Project Coordinator during 2017-2020 **K- Fist -L1**. (20 Lakhs) (Bigdata Analytics Lab Setup at DSATM) (Completed in the year 2021)

Professional Memberships

- Life Member in Computer Society of India **(I1502832)**
- Life Member in Indian Society of Technical Education **(LM 103080)**
- Member IEEE (MIEEE) **(98986725)**
- Life Member Computer Science Teachers Association (CSTA)

Awards & Recognitions

- Awarded as Best Paper Award for "Detection of Intrusion through Big data Analytics for Wireless Sensor Networks", International Journal of Science, Engineering and Technology , May 2017
- Qualified in GATE 2011

Student Supervision

- **Undergraduate Research Mentees:** 40

Professional Roles

Professional Highlights and Achievements:

1. Awarded as Best Paper Award for "Detection of Intrusion through Big data Analytics for Wireless Sensor Networks", International Journal of Science, Engineering and Technology , May 2017
2. Qualified in GATE 2011.
3. Trainer for Summer Internship 2021 Scheme students on Web Development and trained 75 students on this technology.
4. Reviewer for various IEEE International conference and National Conference.
5. Authored a Textbook on **C Programming for Problem Solving** , ISBN - 978-81-937245-4-5.
6. Delivered talks as a **Resource person** on Cryptography & Cyber Security and Blockchain for VET BVL College students.
7. Life member of Computer Society of India (CSI), Indian Society for Technical Education (ISTE) organizations.
8. Organized and worked as Convener for **33rd CSI State Level Student Convention** on 28 & 29th Feb 2020
9. Worked as Student Branch Counselor CSI Student Branch DSATM from 2015-2021.
10. Worked as Student Branch Counselor CSI Student Branch RVTM from 2021-2023.
11. Worked as Valuator for VTU Theory & Practical Examinations from June 2014.

12. Worked as BOE Coordinator CSE allied branches for VTU Practical Examinations allotment in 2017 & 2024.
13. Working as Exam Coordinator for conducting CIE & University Examinations since 2014 to Till date.
14. Worked as SPOC for SIH 2024,2025 and Mentor for IDE Boot Camp at NITK

Teaching

Core Courses:

- Computer Networks
- Network Security
- Data Structures
- C Programming
- Web Technology
- Cryptography

Administration skills

- Worked as CIE Coordinator for Department & Institution Level.
- Worked as VTU University Coordinator for Department & Institution Level.
- Student Branch Counselor for CSI Student Branch.
- Served as BOE Coordinator for VTU Practical examination 2017 & 2024.
- Served as Conference Coordinator for International & National Level conferences.
- Served as convener for FDPs/Workshops in the department.

External Connect

Invite Talks:

(a) Invited as Trainer for Summer Internship 2021 Scheme students on Web Development and trained 75 students on this technology at RVITM.

(b) Served as Resource person for Internship program for Diploma students @ VET Polytechnic on Cryptography.

(c) Conducted 1 day workshop on " Blockchain technology & Hands on Ethereum smart contracts" at RVITM .

(d) Invited as Resource person for Expert talk on " Introduction to Cyber Security " at VET Polytechnic , Bengaluru .