

# BIPIN RAJ C

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GitHub

## EDUCATION

- **RV College of Engineering** Bengaluru, India  
*B.E in Computer Science and Engineering; GPA: 8.92* Dec 2022 – July 2026
- **RV PU College** Bengaluru, India  
*Class 12th, Karnataka State Board; Percentage: 95.3* Aug 2020 – May 2022
- **Christ Academy** Bengaluru, India  
*Class 10th, Indian Certificate of Secondary Education (ICSE); Percentage: 96.4* Aug 2010 – Aug 2020

## EXPERIENCE

- **Head of Cybersecurity** Mar 2023 – Present  
*Coding Club of RVCE*
  - **Leadership:** Core Organizer and Main challenge author for national level RVCExIIT Bombay TrustLab CTF hosted at RVCE. Coordinated dynamic hackathons and insightful talks, catalyzing skill development and knowledge sharing.
  - **Speaker Engagement:** Invited as a speaker at colleges like RVITM, SSIT and conducted full-day workshop with hands-on learning in topics like Scada IoT hacking, Dark Web exploration, DDoS attacks, Password Cracking, RCE, DFIR and everything about CTFs
- **ORingGuard: Real-Time Defect Detection in Rubber O-Rings** Sep 2024 - Present  
*Project Intern*
  - **Scalable Detection System:** Developing a scalable real-time detection system leveraging YOLOv8 and advanced machine learning techniques to inspect up to 10 lakh rubber O-rings per day.
  - **Integration and Accuracy:** Ensuring seamless integration with conveyor systems to achieve micron-level accuracy in defect identification, enhancing quality control efficiency in high-volume manufacturing environments.

## PROJECTS

- **AI-Powered Git Summarizer** [LINK]  
*Technology Stack: NestJS, ReactJS, MongoDB, Groq AI, Nodemailer, GitHub API*
  - : Developed a free subscription-based AI tool for tailored GitHub repository summaries, according to chosen role, enhancing codebase awareness and collaboration with Groq API, sending out markdown formatted summaries to email.
- **Smart Soldier GPS Tracking and Health Monitoring System** [LINK]  
*Security and Connectivity*
  - : Developed a secure, real-time wearable device for soldiers that integrates health monitoring and GPS tracking, leveraging a VSD Squadron mini microcontroller on RISC-V architecture with data encryption via quantum superdense coding for enhanced security.
- **StealthAlgo - QuantQuips** [LINK]  
*Technology Stack: Langchain, Streamlit, Llama3.1-70B*
  - : A streamlit based testing platform for algo-trading analysis. Webscraping to analyse the trends. Local, Online LLMs with RAG. Async embedding and query for local implementation. Finalists in Hack4Soc 2.0 and gained appreciation from JPMC judging panel.

## ACHIEVEMENTS AND AWARDS

- **Winner:** CTF competition organized by IISC (CySecK) in collaboration with Cisco, EnigmaXplore CTF organized by IIIT Nagpur, Infofest CTF organized by Goa University.
- **Runner Up:** Pragmaan CTF '24 held by NIT Trichy, WU CTF organized by Wichita State University, Kansas, USA, CyberVijayi hackathon held by IICS offline at Indirangar, Bangalore and HackTheNight hackathon held by Coding Club of RVCE in Blockchain Vertical.
- **Top Placements:** Won 7th place in All-India level CTF competition held by TrustLab IIT Bombay in IITB Campus offline, Won 3rd place at the World's First Ethical RISC-V IoT Security hackathon held at IIIT Bangalore, secured 6th place globally in DeconstruCT.F held by GDSC, VIT.
- **Other Achievements:** Bagged Special prize in ambITION '24 hackathon under the AIML track, Finalist in Hack4Soc 2.0 hackathon in Fintech Vertical organized by IEEE CompSoc, RVCE. PENTATHON Finalist (top 50 teams): National Cybersecurity Hackathon by the National Critical Information Infrastructure Protection Center (NCIIPC), AICTE, and the Ministry of Education's Innovation Cell (MIC).(Selected for Grand Finale held in New-Delhi)
- **Miscellaneous:** 2nd place at Embark '23, an entrepreneurial competition held by E-cell RVCE, Captain of School football team winning multiple Tournaments.

## SKILLS AND INTERESTS

- **Technical:** Python, C, C++, NodeJS, React, MongoDB, AWS and cloud, Langchain, TensorFlow, Docker
- **Domain Specific and Tools:** GIT, Github, Linux, Web Security, Cryptography, AI, Microcontrollers, RISC-V, IoT, Machine Learning, Blockchain, Quant Finance.
- **Critical Skillset:** Problem Solving, Critical Thinking, Efficiency, Outgoing, Decision Making.
- **Interests:** Geopolitics, Defence, Neuroscience, Aerospace, Football, Trekking.