

JAYAKISHAN B

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EXECUTIVE SUMMARY

Highly motivated IT student with a strong interest in AI/ML and full-stack web development, complemented by problem-solving skills. Possessing a foundational knowledge in C, C++, Python and Java, I am dedicated to delivering socially impactful projects with professionalism and punctuality. Driven by a commitment to continuous learning, I am eager to apply and expand my skills in a dynamic, real-world setting, contributing meaningfully to innovative projects in AI/ML and web development

EDUCATIONAL QUALIFICATION

Year	Degree/Certificate	Institute/School	CGPA/Percentage
2023-Present	B.TECH IT	Sri Ramakrishna Engineering College	8.46 (Current)
2023	HSC	SBOA Matriculation and Higher Secondary School	81.89%

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL, JavaScript, HTML, CSS

Frameworks & Libraries: Flutter, React.js, Next.js, Node.js, Express.js, Tailwind CSS, OpenCV

AI/ML & Other Skills: Prompt Engineering, RFs, YOLOv8, CNNs, Scikit-learn, TensorFlow.

PROJECTS

- **AI Powered Cyber Triage System for Real Time Threat Detection**
Detects and mitigates DoS, DDoS, DRDoS, and APDoS attacks using Zeek and ML models, with real-time log analysis, visualization, and automated IP blocking via an interactive dashboard.
- **AI Driven Nocturnal Elephant Detection and Deterrence System**
Uses a custom YOLOv8 model for 24/7 elephant intrusion detection with multilingual Twilio alerts, real-time OpenStreetMap tracking, and adaptive AI for energy-efficient wildlife conflict prevention.
- **TrackCrack – Railway Track Crack Detection System**
Developed a vision-based system using image processing and deep learning to detect cracks on railway tracks in real-time. Designed for Smart India Hackathon with a focus on preventing derailments and enabling proactive maintenance.

INTERNSHIP

Resilience Business Grids LLP (RBG.AI)

December 2024 to June 2025 (5 weeks)

- Worked on a mobile query-response system in Flutter featuring chatbot integration, media/file upload, and user support functionalities.
- Designed as a side project to assist the company's main services, with planned integration across all platforms for streamlined support.

ACCOLADES

- **Selected for a 1-month consultancy project with GE HealthCare** on “ICU Patient Bed Flow Coordinator” – Focused on optimizing ICU resource allocation using AI.
- **1st Place – Human-Animal Conflict Hackathon (2025)** – Conducted by TN Forest Department & SREC – Won in a 36-hour national-level hackathon for developing an AI-powered elephant deterrence system. (Awarded ₹25K)

- **1st Place – Protovision – Technovate'25** – Conducted by Government College of Technology – Developed and showcased an AI-powered Cyber Triage System.
- **Winner – Innovators Icon Award, Hack24 (2025)** – A 24-hour hackathon conducted by Dr. N.G.P Institute of Technology & Dr. N.G.P Arts and Science College.
- **2nd Place – WorstUI Designing Competition, Intellinia 2K25** – Conducted by Coimbatore Institute of Technology for creatively identifying and designing poorly built user interfaces.
- **3rd Place – Pitch Perfect – Business Plan Competition** – Secured third place for presenting a strategic startup plan.
- **1st Place – Paper Presentation, Youthzest '24** – Conducted by Dept. of EIE & Social Development Club, SREC – Presented an AI-enabled sustainable innovation.
- **3rd Place – Poster Presentation, “Ecocity Pitch”** – Conducted by IEEE WIE Affinity Group and CSS, Kumaraguru College of Technology.
- **3rd Place – Poster Presentation, National Science Day & International Day of Mathematics** – Conducted by Dept. of Science and Humanities, SREC.

CERTIFICATIONS

- **Salesforce Trailhead** – Become an Agentblazer Champion (Certified Trailmix).
- **AWS Skill Builder** – Building Language Models in AWS.
- **MongoDB** – Completed *MongoDB Basics for Students* Training with 13 skill badges.
- **NPTEL** – Introduction to Industry 4.0 and Industrial Internet of Things.
- **IBM SkillsBuild** – Web Development & Fundamentals.
- **Infosys Springboard** – Java Programming (2022).
- **Infosys Springboard** – Database and SQL.

CO-CURRICULAR ACTIVITIES

- Executive member of Computer Society of India – Student Branch , SREC.
- Executive Co - Chairperson of Road safety vertical – YI Yuva club , SREC.
- Member of Phorartz club , SREC.