

R Dhiya Krishna

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Summary

Engineering undergraduate specializing in Electronics and Communication Engineering with expertise in AI, software development, and embedded systems. Developed AI-powered applications utilizing Python, Flask, and NLP, complemented by experience in frontend technologies such as React and Next.js. Certified in cloud-based AI platforms and recognized for leadership abilities, showcasing strong problem-solving and collaboration skills.

Education

Bishop Cotton Girl's School – Bengaluru, IN-KA
Primary Education (Grades LKG–10), 2008–2020

Bishop Cotton Girl's School – Bengaluru, IN-KA
Higher Secondary Education (Grades 11–12), 2020–2022

Reva University – Bengaluru, IN-KA, India
Electronics and Communication Engineering, 2023 – Current
SGPA: Semester 1: 9.15, Semester 2: 9.38, Semester 3: 8.29, Semester 4: 7.8

- Member of SCOPE Reva University
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Experience

Head of Public Relations: Nov 2025 – Current
SCOPE Reva University

Skills

- Programming and Frameworks: React.js, Next.js, TypeScript, Python, Flask
 - Design tools: Figma
 - Simulation and Analysis tools: Altair Compose, Tinkercad, MATLAB
 - Development environments: Arduino IDE, LabVIEW
 - Circuit design: EasyEDA, Fritzing
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Certifications

- PCB Design Workshop with EasyEDA Pro: **25-09-2025**
 - Web Development Internship Program, SCOPE: **June–Sep, 2025**
 - Postman API Fundamentals Student Expert: **14-08-2025**
 - GenAI Academy Completion Certificate, Google Cloud: **23-07-2025**
 - Artificial Intelligence with Python, Coincent: **2024-02-01**
 - Excel for Beginners, Great Learning Academy: **01-05-2024**
 - Azure AI Fundamentals, Microsoft: **28-04-2024**
 - Getting Started with Enterprise Data Science, IBM: **31-05-2024**
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Projects

- **Ayur Sync API (Sep 2025)** <https://github.com/SCOPE-OFFICIAL/AYUR-SYNC-SIH-.git>

Contributed to backend and frontend development of Ayur Sync, a FHIR-based microservice built for Smart India Hackathon 2025 to integrate NAMASTE and ICD-11 codes into EMR systems. Implemented REST APIs for code mapping and interoperability, and developed parts of the React + Next.js interface for medical term search and FHIR record construction.

Achievement: Qualified for the second round of Smart India Hackathon 2025.

- **SCOPE Club Website (Nov 2025)**

Actively contributed to the frontend design and development of the club website using React.js, Next.js, and TypeScript. Focused on building responsive and user-friendly UI components while collaborating with team members to improve overall layout, usability, and visual consistency.

- **Parkinson's Disease Monitoring System (Nov 2025)** <https://github.com/ROHANBAIJU/TEAM-QWERTY.git>

Contributed to frontend development, backend integration, and UI/UX design for an IoT-AI platform developed at the IEEE Anveshan Hackathon for remote Parkinson's disease monitoring. Built responsive dashboards in Next.js and TypeScript and integrated real-time sensor data and AI analysis outputs into the web interface.

Achievement: We were winners under the Healthcare Category of IEEE Anveshan Hackathon.

- **SafetyGuard AI – AI-powered industrial safety monitoring system (Dec 2025)**
<https://github.com/ROHANBAIJU/CODE-TRIBE.git>

Developed components of SafetyGuard AI, an intelligent system for real-time detection of industrial safety violations and equipment compliance using computer vision. Implemented backend and frontend features with Python, FastAPI, React, and YOLO, supporting live data processing, visualization, and alerting.

Achievement: Selected as a finalist at the DEEP Open Innovation Hackathon 2025.

- **LazyNotes – AI-powered Mental Health Journalling (Ongoing)**
<https://github.com/Imdad2005/lazy-notes-app.git>

Building Lazy Notes, an AI-powered journaling and productivity platform using Next.js, React, and TypeScript, integrating NLP-based sentiment analysis to track emotional trends. Implemented rich text editing, task and project management, mood tracking, and privacy-focused note storage. The AI analyzes user entries to detect emotional tone, provide insights, and suggest personalized coping strategies or affirmations. Features include mood tracking, daily prompts, privacy-focused storage, and visualization of emotional trends over time.