

# R Dhiya Krishna

Bengaluru, India 560027  
7619579631  
dhiyakrishnar@gmail.com

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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.

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## 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

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## 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, Coincident: **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.