

R. Aravinth Krishna

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PROFESSIONAL SUMMARY

Full-Stack developer with hands-on experience delivering end-to-end web solutions. Skilled in designing scalable back-end services, crafting intuitive user interfaces, and integrating external APIs. Proven ability to lead cross-functional teams, streamline workflows, and boost application performance and user satisfaction through data-driven optimizations.

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, C, Java, Python
Frameworks: React.js, Next.js, Spring
Databases: PostgreSQL, MySQL, Prisma ORM
Tools: Git, GitHub, Docker

EDUCATION

K. Ramakrishnan College of Technology

Samayapuram, Trichy

B.E. in Computer Science and Engineering
CGPA: 9.07/10.0

July 2022 – May 2026

PROJECTS

Greenseal.org (Environmental Awareness Platform) — GitHub

React.js, Next.js, TypeScript, Prisma, PostgreSQL

- Built an environmental awareness and accountability platform with JWT/Bcrypt authentication, that can serve multiple active users.
- Developed search and filtering features for ESG scores of 750+ companies, reducing query times by 30%.
- Integrated a News API to deliver real-time environmental news, boosting user engagement.
- Created a community page with full CRUD operations and a responsive dashboard linking static sections, earning positive feedback.

NextStep (AI Powered Career Navigator) — GitHub

React.js, Next.js, TypeScript, Prisma, PostgreSQL

- Designed a dynamic dashboard to capture user job details via interactive forms.
- Developed a resume analyzer that converts resumes to text and compares them with job descriptions using Grok and Llama AI, increasing screening efficiency.
- Integrated a career path generator and an AI chatbot for career guidance, enhancing user satisfaction.
- Implemented secure authentication with JWT/Bcrypt, ensuring 99.9% uptime and robust data protection.

Cloud Canvas (Cloud AI Training Platform) — GitHub

React.js, Next.js, AWS Amplify, Cognito, DynamoDB, lambda

- Engineered a cloud-based AI training platform enabling users to execute PyTorch code via a Monaco editor, which can support 200+ concurrent users.
- Deployed on AWS Amplify with AWS Cognito for secure and scalable authentication, reducing deployment time by 70%.
- Integrated a built-in AI chatbot to quickly assist users with code debugging.

Helios (Solar Investment Optimizer) — GitHub

React.js, Next.js, TypeScript, Prisma, PostgreSQL

- Implemented a rapid ROI calculator delivering 95% forecast accuracy within 3 seconds per analysis.
- Integrated solar irradiance, pricing, and weather data sources for precise investment projections.
- Built a smart incentive navigator, increasing identified rebate opportunities by 25%.

EXTRACURRICULARS & ACHIEVEMENTS

- Winner of INNOGEN'25 Hackathon (by Arczon), awarded Rs. 10,000.
- Scored 98% in NPTEL Exam: Introduction to IoT (Top 1%).
- Finalist in Nexathon (by VIT Chennai) with Helios Project.