

HARSHITHA ARAVA

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EDUCATION

Shri Vishnu Engineering College For Women
B.Tech in Information Technology (CGPA: 8.79)

Sep 2023 – Present
Bhimavaram, India

PROJECTS

- Anti-Cheating Exam Platform** | React, Node.js, MongoDB, TensorFlow.js **2025**
- Engineered a **production-ready, scalable online exam platform** for MCQ and coding assessments with JWT authentication, RBAC, and backend-authoritative architecture for **concurrent users**.
 - Implemented **AI-powered proctoring** (tab/window detection, fullscreen enforcement, face monitoring), reducing cheating by **68%** with full audit logging.
 - Designed **RESTful backend microservices** for exam orchestration, automatic code evaluation, and results processing with **low-latency responses (<200ms)** and enterprise-grade security.
- Imaginify AI – Image SaaS Platform** | Next.js, TypeScript, Node.js, MongoDB **2025**
- Architected **scalable backend services** for AI-driven image transformations, handling high-throughput requests with low-latency responses and optimized database queries.
 - Integrated **Stripe subscription billing** and Cloudinary pipelines for secure payments and media storage, ensuring enterprise-grade reliability and performance.
 - Implemented robust authentication, **session management**, and **caching**, improving platform security and reliability by **30%** while supporting concurrent users.

INTERNSHIP

- Newton School of Technology** **May 2025 – Jul 2025**
Technical Interviewer *Remote*
- Conducted **400+ technical interviews** covering DSA topics including DP, greedy algorithms, recursion, and sliding window.
 - Improved evaluation consistency and hiring throughput, increasing interview efficiency by **80%**.
- Ceeras (Startup)** **Feb 2025 – Jun 2025**
Frontend Developer Intern *Remote*
- Built responsive UIs using React.js, Next.js, and Tailwind CSS, reducing page load time by **25%**.
 - Integrated REST APIs and optimized frontend workflows, improving user engagement by **15%**.

TECHNICAL SKILLS

Languages: Python, Java, C++, Dart, JavaScript, TypeScript, SQL

Frameworks: React.js, Next.js, Node.js, Express.js, Flutter, Django, Flask

Databases: MongoDB, PostgreSQL, MySQL

Tools: Git, GitHub, Linux, REST APIs, OAuth, WebSockets

ACHIEVEMENTS

- PARANOX 2.0 Hackathon:** Secured **Top 200** among **20,000+ participants** across 1,500+ projects.
- Competitive Programming:** LeetCode Rating **1711** (470+ solved), CodeChef Rating **1507 (2 star coder)**; solved **1000+ DSA problems**.
- Competitive Coding:** Secured **Top 3** in Smart Interviews (150+ participants) and **Top 10** among **400+ participants**.

OPEN SOURCE & LEADERSHIP

Mentor **Jan 2026 – Present**
SWOC, OSCG, EWOC *Remote*

- Mentored contributors in Git workflows, system design thinking, and scalable open-source architecture.

Project Admin **Jan 2025 – Present**
EWOC *Remote*

- Managed multiple open-source projects and streamlined contributor onboarding and review processes.

Open Source Contributor **2025**
GSSOC, SSOC, Hacktoberfest, OSCG, Aperture 2.0, SWOC *Remote*

- Contributed to **5+ programs** with **10+ merged PRs**, implementing backend, OAuth and ML-based features impacting **1,000+ users**.