

Praveen Uppar

+91 6360082757 | praveenuppar718@gmail.com | github.com/PraveenUppar |
linkedin.com/in/praveen-uppar-5b0565277 | pavicode.in

EDUCATION

Vellore Institute of Technology, Bhopal <i>Bachelor of Technology in Computer Science and Engineering</i>	2023 - 2027 CGPA: 8.75/10
JSS R.S.H Pre-University Science College, Dharwad <i>Class XII (Department of Pre-University Education, Karnataka)</i>	2023 Percentage: 89.3%
Vinay Chikkatti School, Gadag <i>Class X (ICSE Board)</i>	2021 Percentage: 80.5%

EXPERIENCE

Advan Drive Technology <i>Full Stack SDE Intern - New Delhi</i>	Feb 2026 - Apr 2026 (3 months - Virtual)
• Tech Stack: Next.js, React.js, TypeScript, FastAPI, Redis, PostgreSQL, Docker and Oracle Cloud. • Shipped 20+ schedule entry modules and 5+ financial reports (Balance Sheet, P&L, Cash Flow, Notes to Accounts, Ratio Analysis) with Excel generation engine producing audit ready statements. • Containerized and deployed the application to OCI into 4 Docker services behind an Nginx reverse proxy, with development and production configurations.	

SKILLS

- **Languages:** Python, TypeScript, JavaScript, SQL
- **Frameworks/Libraries:** React.js, Node.js, Express.js, Next.js
- **Developer Tools:** Git/GitHub, Linux, Docker
- **Cloud (AWS):** EC2, S3, VPC, IAM, Lambda, RDS, DynamoDB, CloudWatch

ACHIEVEMENTS

- Achieved **Runner-up** position in **HackByte 3.0** (Wikimedia Track) at IIIT Jabalpur, ranking **2nd out of 110** participating teams.
- Ranked among the **Top 2,000 Open Source Contributors** out of **30,000+ participants** in GirlScript Summer of Code (GSSoC) 2024.

PROJECTS

Eco Loop: Closed-Loop LLM Building Control GitHub Demo	July 2026
• Built a closed loop control system where a local 3B LLM (qwen2.5:3b-instruct) supervises a live EnergyPlus simulation, reading sensors and writing thermostat setpoints mid-run through a 5 tool MCP server. • Cut HVAC electricity by 11.5% with 0% comfort violations across a 3 week Chicago TMY3 run on a 5 zone VAV office, beating a rule-based controller by 1.05 pp while also reducing peak demand 3.7%. • Designed a supervisory architecture, LLM sets policy every 4 simulated hours, a deterministic inner loop applies and guards it every 15 min timestep avoiding the 90 min of added latency for per-timestep inference.	
Zenith: Deployment as a Service GitHub Demo	Dec 2025
• Architected a distributed deployment platform as 3 decoupled microservices in an npm-workspaces monorepo, automating repository cloning, dependency installation, and build execution in a containerized worker from a GitHub URL - mimicking Vercel functionality. • Engineered an asynchronous build pipeline on a Redis job queue, decoupling API response time from multi-minute npm builds and enabling build workers to scale horizontally. • Implemented AWS S3 artifact storage and a stateless custom routing layer mapping subdomains to S3 prefixes, with streamed responses and SPA fallback routing.	
AWS: Multi-Tier Infrastructure System GitHub Demo	Sep 2025
• Architected and provisioned a 3-tier architecture on AWS using 7+ services deployed across 2 Availability Zones with VPC networking, NAT gateways, Security Groups, managed RDS, Application Load Balancers, Auto Scaling policies, and CloudWatch monitoring.	

CERTIFICATIONS

- **AWS Certified: Cloud Practitioner** - Scored: **865/1000**. **June 2026**
- **100 Days of Code: Python Bootcamp** - Udemy, Grade: **92.19%**. **Sep 2024**

EXTRACURRICULAR ACTIVITIES

Technical Team Lead <i>Model United Nation Chapter</i>	Nov 2024 - May 2025
• Led the technical team of 5+ members, organizing 3+ MUN events that drew 280+ participants.	