Kaviraj Sankameeswaran

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Education

Vellore Institute of Technology, Andhra Pradesh   Aug 2022 – May 2026
B.Tech in Computer Science   *CGPA: 8.70 out of 10.00*

Projects

DownTime Detective   Project Link
- Created a real-time website monitoring platform for tracking uptime and downtime with **99.9% availability accuracy**.
- Built using **Node.js & Express** and responsive **HTML/CSS**; containerized with **Docker** and deployed via **NGINX**.

RBACLens   Project Link
- Developed a lightweight CLI tool to audit and visualize **Kubernetes** RBAC configurations, helps in improving cluster security and compliance.
- Implemented using **Go (client-go)** for Kubernetes API interaction and **spf13/cobra** for an intuitive CLI interface.

Experience

Backend Developer, VIT-AP University — Vijayawada, Andhra Pradesh   Oct 2024 – Jan 2025
- Built and maintained **RESTful APIs** with **Node.js & Express**, ensuring scalability and performance.
- Deployed on **AWS** and **GCP**, optimizing resources for over **36,000+ monthly users**.
- Managed **MongoDB, PostgreSQL**, and integrated **Prisma ORM** for smooth schema migrations.

University Club Secretary, GPUG — Vijayawada, Andhra Pradesh   Apr 2024 – Apr 2025
- Conducted **5+ technical workshops** with **NVIDIA, Zerodha**, engaging **200+ participants** per event.
- Curated seminars with industry professionals to foster interest in **GPU computing**, AI, and computer graphics.

Achievements & Awards

Winner | YO! Grad Season 1, New Jersey Institute of Technology   Jan 2025
Secured **1st place** and a cash prize of **Rs.25,000** for pitching an IoT-driven solution to streamline the agricultural supply chain.

Finalist | Megathon '24, IIIT-Hyderabad | Qualcomm   Oct 2024
Built a flood risk prediction tool leveraging satellite data to track rainfall intensity, surface shifts, and expanding water bodies.

Skills

Programming Languages: Java, Go, Python, JavaScript
Web Development: HTML, CSS, React, Next.js, Tailwind, Node.js, Express
Databases: MongoDB, MySQL, PostgreSQL
Tools & Platforms: Git, Docker, Kubernetes, AWS, GCP, Linux, Bash