Bhoobalan B R

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Skills

DB - Postgres, Mysql, Redis, DynamoDb, MongoDb	Backend - Node JS, Python, LangChain, FastAPI
Frontend - VueJS, ReactJS	DevOps - Proxmox, Docker, AWS, CI/CD

Professional Experience

Software Development Engineer - 1, *CodeStax Ai* ⧉   03/2024 – present
                                                                              Chennai
Designed and implemented a robust **Video Banking System** for Bank to customer support services. The system facilitates seamless virtual banking experiences with features like:
- **Efficient Slot Management**: Over 95% booking rates achieved in peak months.
- **High Performance**: Supported over 35,000+ minutes of session time monthly with low latency.
- **ML-based Cost Estimation:** Designed and implemented an architecture using Deepseek-distill-qwen LLM with GuardRails integration, optimizing cost efficiency for Bank applications and services.

Software Development Intern, *CodeStax Ai* ⧉   06/2023 – 03/2024
Designed user-friendly interfaces and implemented features for real-time appointment tracking, branch availability, and automated reminders.
- Proposed and implemented a reverse proxy solution using AWS EC2 and Global Accelerator to resolve CDN-related firewall restrictions.

Software Development Intern, *IT Operations*   06/2022 – 02/2023
Managed and enhanced Nova Application and campus-wide IT systems to drive innovation and operational efficiency.
- **Gitea to MantisBT Migration:** Migrated issue tracking systems, resulting in a 30-50% improvement in tracking and resolution efficiency.

Projects

System Utilization Analyzer   04/2022 – 05/2023
Developed a Python-based system with PostgreSQL and Grafana to monitor and visualize real-time PC utilization statuses.

CRM Web Application for Medicine Sales, *Nest Pharamceuticals*   06/2022 – 01/2023
- Developed and maintained a CRM application using Laravel PHP, PostgreSQL, and Grafana.
- Streamlined the distribution of medicine units from marketing representatives to branch stockists, pharmacies, and hospitals.

Certificates

- AWS Cloud Technical ⧉
- Front-End UI - Bootstrap 4 ⧉
- AWS Machine Learning ⧉

Education

Bachelor of Computer Science and Engineering, *BIT* ⧉   06/2020 – 06/2024
CGPA - 8.9