Hemanth R

📞 +91 9036167680   ✉ hemanthrg03@gmail.com   in LinkedIn   🌐 Portfolio   ⓞ GitHub   Ⓜ Medium

Education

Don Bosco Institute of Technology, Bengaluru	**2022–2026**
Bachelor of Engineering in Information Science	8.7/10 CGPA
Bunt's Sangha RNS Vidyanikethana, Bengaluru	**2022**
Higher Secondary (Class XI, XII)	87%

Work Experience

Samsung Innovation Campus, Bengaluru　　　　　　　　　　　　　　　　**Jan 2024–June 2024**

Coding and Programming Intern trainee

- Gained hands-on experience in Python, programming fundamentals, SQL, and data visualization.

- Collaborated with team members to implement real-world projects, applying learned concepts.

- Engaged in Pair Programming sessions, enhancing problem-solving approaches and collaboration skills.

Projects

TapNGo　　　　　　　　　　　　　　　　　　　　　　　　**Source Code | Live**
- Developed a full-stack digital payment platform for wallet management, P2P transfers, and bank deposits.
- Ensured seamless and secure money transfers between users with robust security.
- Built the Vision Vault feature, a deposit goal system that allows users to save money like a digital piggy bank and withdraw funds when needed. It includes interactive visualizations for tracking P2P transfers and bank deposits.
- Designed and deployed a high-performance bank server on AWS EC2, leveraging Docker containers for scalability and reliability. The server enables secure bank deposit creation and processing, ensuring efficient transaction management in a cloud-native environment.

TaskForge　　　　　　　　　　　　　　　　　　　　　　　**Source Code | Live**
- Developed a Bounty Automation Platform leveraging GitHub Webhooks to enable seamless, secure, and automated reward distribution for open-source contributors.
- Designed a dynamic webhook system that generates unique URLs for seamless GitHub integration. On PR closure, it processes bounties, validates credentials, executes transactions, and sends automated notifications.
- Designed a scalable event-driven architecture using Kafka, reducing processing time.
- Enabled users to submit detailed bounty information, including reward amount and recipient address.

MindCraft　　　　　　　　　　　　　　　　　　　　　　　**Source Code | Live**
- Developed a full-stack blogging platform that enables users to create, discover, and engage with content seamlessly.
- Designed an intuitive and distraction-free writing interface to enhance the content creation experience.
- Optimized performance and minimized latency by deploying the platform on Cloudflare Workers.

Skills Summary

Programming Languages: Python, JavaScript, TypeScript, Java (Basics)
Backend Technologies: Node.js, Express.js, RESTful APIs, Apache Kafka
Frontend Technologies: Next.js, React.js, Tailwind CSS
Databases & ORMs: PostgreSQL, MongoDB, Prisma
Computer Science Fundamentals: Data Structures & Algorithms, Object-Oriented Programming (OOP)
Cloud & DevOps: CI/CD, Docker, Linux (Basics), AWS (EC2, S3, CloudFront, Auto Scaling Groups)
Version Control & Development Tools: Git, GitHub, GitHub Actions, Postman

Achievements

- Runner-up of **Pykathon 2024** held at Don Bosco Institute of Technology.

- Selected as one of the top 35 students by Samsung Innovation Campus at Don Bosco Institute of Technology for their training program.