

Hemanth R

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Portfolio

LinkedIn

GitHub

Medium

Education

Don Bosco Institute of Technology, Bengaluru

Bachelor of Engineering in Information Science

2022–2026

8.7/10 CGPA

Bunt's Sangha RNS Vidyanikethana, Bengaluru

Higher Secondary (Class XI, XII)

2022

87%

Experience

Apprentice, Samsung Innovation Campus

2023–2024

Selected as one of the top 35 students for the Apprenticeship program at Don Bosco Institute of Technology.

- 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 | Next.js, TypeScript, Tailwind CSS, Express.js, PostgreSQL + Prisma, Turborepo

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 for robust security.
- Built the Vision Vault feature for setting savings goals, with interactive visualizations for P2P transfers and bank deposits.
- Designed and deployed a bank server on AWS EC2, utilizing Docker containers for scalability.
- Implemented a CI/CD pipeline for continuous integration and delivery of updates.

TaskForge | Next.js, TypeScript, Tailwind CSS, Kafka, Express.js, PostgreSQL + Prisma

Source Code | Live

- Developed a bounty automation platform that integrates GitHub webhooks for seamless reward distribution.
- Designed a scalable event-driven architecture using Kafka, reducing processing time.
- Enabled users to submit detailed bounty information, including reward amount and recipient address.
- 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.
- Deployed backend services on AWS EC2 using Docker containers within a Microservices Architecture, ensuring high availability and scalability.

RepoSphere | Next.js, TypeScript, Tailwind CSS, PostgreSQL + Prisma, Clerk, tRPC

Source Code | Live

- Developed a full-stack GitHub SaaS platform for repository management and commit history analysis.
- Integrates GitHub repositories and displays summaries of the latest commits for better tracking and collaboration.
- Implemented and refined AI-based query capabilities, providing users with contextual, real-time responses to repository-related questions.
- Engineered a structured database system to store AI-generated insights, ensuring efficient retrieval and long-term accessibility.

MindCraft | React, Cloudflare Workers, TypeScript, Tailwind CSS, PostgreSQL + Prisma

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.

Technical Skills

Programming Languages: C, Python, Java, JavaScript, TypeScript, HTML

Backend Development: Node.js, Express.js, Hono.js, RESTful API's, Kafka

Frontend Development: Next.js, React.js, Tailwind CSS

Databases & ORMs: PostgreSQL, MongoDB, Prisma

Computer Fundamentals: Data Structures and Algorithms, Object-Oriented Programming

DevOps: CI/CD, Docker, Linux, AWS (EC2, S3, CloudFront, ASGs)

Tools: Git, GitHub, GitHub Actions, Postman

Achievements

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