Hemanth R

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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%

Technical Skills

Programming Languages: C, Python, Java, JavaScript, TypeScript, HTML
Backend Development: Node.js, Express.js, Hono, 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

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.
– Engineered a dynamic webhook system that generates a unique URL for each user, allowing seamless GitHub repository integration. Upon PR closure, the webhook processes bounty details, validates credentials, executes secure transactions, and triggers automated email notifications to recipients.

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.

Achievements

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