Subramanian Narayanan

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EDUCATION

SRM Institute Of Science and Technology	Sep 2022 - Aug 2026
Bachelor of Technology in Computer Science and Engineering	*CGPA - 9.45*
Vishwa Sishya Vidyodaya School	Jan 2021 - July 2022
Science, Maths and Computer Science	*Final Boards - 91.2 %*

EXPERIENCE

Software Engineer Intern — June 2024 – Present
Alemeno — *Remote, India*

- Developed a course tests platform for a high-revenue client **(over $100k)**, utilizing **React, TypeScript, Firebase, and React Router** to deliver a scalable and interactive user experience.
- Streamlined data management with Firebase, improving **scalability by 25%** through efficient user authentication.
- Developed front-end components, contributing to a 30% reduction in bugs and enhanced code reliability.

Research and Development Intern — Jan. 2024 – June.2024
Samsung Research and Development Institute — *India*

- Developed a RAG system using Neo4j,Python and Langchain, optimizing graph data relationships and **reducing latency by 25%** .
- Optimized Gemma LLM integration with Neo4j, focusing on reducing interference.
- Compared Neo4j's performance with Vector DB and LangChain-based LLMs, analyzing data retrieval efficiency.

Junior Frontend Engineer — Sep 2023 – Feb 2024
Soshals — *Remote, India*

- Utilized **Next.js, TypeScript, and Redux** to craft innovative features and enhance user experience for Soshal's platform.
- Pioneered a **"Not Gonna Lie"** end-to-end encrypted messaging system, fostering authentic user and content creator interactions, **leading to a 9% user base growth.**
- **Contributed 50K+ lines of code** to an established codebase via Git

PROJECTS

CertifyPDF | *React, Express, MongoDB, Google APIs, Tailwind* — May 2024

- Handy tool for creating personalized certificates. Just fill in the blanks, and it spits out a custom PDF.
- Developed a full-stack web application using Nodejs and Express serving a REST API with React as the frontend
- Seamlessly **integrates with Google Drive through OAuth2 for convenient storage and sharing.**

Chain Cover | *React, Solidity, EtherJS, Zustand, Tailwind* — April 2024

- Built a blockchain-based insurance platform that **won the Hackverse'24 first track prize of CoinEx.**
- Developed a blockchain application using React as the frontend and EtherJS for communication with solidity contracts.

Candidate Exam Sorting System | *Python, MySQL* — Nov 2023

- Designed and implemented a exam sorting system using Python and MySQL, optimizing candidate evaluation.
- Utilized efficient **backtracking algorithms** to solve complex sorting and scheduling problems.

TECHNICAL SKILLS

Languages: C/C++, MySQL, Python, Java, JavaScript, TypeScript
Technologies: React, Nextjs, Redux, Firebase, MySQL, MongoDB, Node.js, Express, Tailwind
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, IntelliJ