Suraj B M

Fullstack Web Developer

[Website](#)   [LinkedIn](#)

suraj.b.m555@gmail.com • +916366682139 • Bengaluru, Karnataka

Summary

I am a proficient **fullstack web developer** with a **strong background** in **cryptography**, leveraging modern web development stacks such as **T3Stack** and **MERNStack**. My experience encompasses building responsive UIs and developing secure applications utilizing **role-based authorizations**.

Projects

rapport

Next.js, MySQL

- Created an **end-to-end encrypted messaging app** securing messages using multiple encryption layers, including **ECDH, AES, and PBKDF2**.
- Link: https://github.com/silicoflare/rapport

docker-hadoop

bash, Dockerfile

- Developed a **minified Docker image** based on Ubuntu, preloaded with essential **Big Data tools** including Hadoop, Pig, and Spark.
- Link: https://github.com/silicoflare/docker-hadoop

silicodrive

Next.js, Supabase   [GitHub](#)

- Developed a robust **file storage** and synchronization platform utilizing **Next.js** for seamless user experiences and efficient data management.
- Link: https://github.com/silicoflare/silicodrive

vroomify

Next.js, FastAPI, MongoDB   [GitHub](#)

- Designed an innovative **enterprise resource planning** website for a fictional automobile company, enhancing order tracking, inventory management, and material procurement processes.
- Link: https://github.com/silicoflare/vroomify

confidant

Bun, TypeScript

- Created a **CLI tool** to establish **secure vaults** using **ECDH, AES, HMAC**, and more.
- Link: https://github.com/silicoflare/confidant

safe-cli

Bun, TypeScript

- Developed a **CLI tool** for encrypting and decrypting files, leveraging **Elliptic Curve Diffie-Hellman** and **AES** for secure transmission to contacts.
- Link: https://github.com/silicoflare/safe-cli

Work Experience

TwoSpoon.ai

Fullstack Web Development Intern   *July 2024 - July 2024*

- Demonstrated expertise in **fullstack development** by constructing a website for a meme-based marketing agency, focusing on a highly responsive UI and role-based authorization. Additional responsibilities included setting up database CRUD operations and developing complex table relationships.

Skills

Programming Languages	**Python,** C/C++, Java
Web Development	**TypeScript, Bun, Next, T3Stack, MERNStack, PostgreSQL, TailwindCSS**
Cryptography	**Cryptography**
DevOps	Docker, Bash

Education

10th Grade

St. Francis de Sales Public School *2020*

- Completed 10th Grade with ICSE Board, achieving an impressive score of 97%.

Grade 12

Narayana PU College *2022*

- Completed Grade 12 under PUC Board with a stellar score of 95%.

B.Tech in CSE (AI & ML)

PES University *2026*

Achievements

Fullstack Web Development Internship at TwoSpoon.ai

TwoSpoon.ai *July 2024*

- Developed a responsive website for WLDD, implementing role-based authorization and complex database relationships, contributing to efficient operational support.

Founding Member of EncodeAI and Web Development Head

PES University *January 2024 - Present*

- Led the web development initiatives as a founding member at EncodeAI, enhancing digital presence and outreach at PES University.