

SOMIL SRIVASTAVA

Full-Stack Developer — Building Secure & Scalable Web Apps

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Summary

Full-stack developer focused on delivering real-world web applications **integrated with AI capabilities**. Experienced in building secure, scalable systems using **RESTful APIs**, database-backed systems, and **LLM-powered intelligence**.

Education

Pranveer Singh Institute of Technology, Kanpur

Dec 2022 – July 2026

B.Tech Artificial Intelligence and Data Science

CGPA: 7

Durga Prasad Vidya Niketan, Kanpur

Mar 2021 – Apr 2022

AISSCE (Class XII)

Percentage: 75.6%

Projects

Health.IO – AI-Powered Health Platform | *HTML, CSS, JS, Node.js, Python, MongoDB*

Jan 2024 – Present

- Integrated Express.js middleware for route protection and token verification, enhancing API security.
- Connected symptom submission form with MongoDB-backed API routes to log and analyze **100+** user queries weekly.
- Developed a full-stack AI health platform delivering real-time symptom analysis and medical insights to **200+** users.
- Integrated large language models (LLMs) and external APIs to achieve **80%+** response relevance in medical query resolution.
- Optimized accessibility and user experience with a responsive, data-personalized UI, boosting user retention by **25%**.
- Implemented secure authentication, session handling, and data protection measures with zero security breaches during testing.

Passcode – Secure Note & Password Manager | *HTML, CSS, JS, Node.js, MongoDB*

June 2024 – Present

- Engineered a secure web app for storing **1000+** notes and passwords, using AES encryption for end-to-end data security.
- Built authentication flow with hashed credentials and active session management, reducing unauthorized access attempts by **90%**.
- Followed security best practices including input sanitization, rate limiting, and encrypted **20+** sensitive fields.
- Used environment variables (.env) to securely manage **5+** credentials and API keys during deployment.
- Built custom middleware to verify JWT tokens for secure route access and session control.
- Implemented logout timer using server-side session expiration to improve security for inactive users.

Technical Skills

- **Languages:** C++, C, Python, JavaScript
- **Frameworks/Libraries:** React.js, Express.js, Node.js
- **Tools:** VS Code, Git
- **Databases:** MySQL, MongoDB
- **Misc:** REST APIs
- **Coursework:** OS, DSA, DBMS, OOP
- **Soft Skills:** Communication, Leadership, Public Speaking, Team Collaboration

Achievements / Certifications

- Earned multiple study plan medals (LeetCode 75, Algorithms, Data Structures) on LeetCode.
- Achieved 5-Star coder rating on HackerRank with **600+** problems solved across platforms.
- Finalist (Top 24 teams nationwide) at PEC HACKS 2024, an all-India hackathon.
- **GenAI Powered Data Analytics – TATA (2025):** Certificate in no-code AI analytics for business insights.
- **Python Certification – HackerRank (2024):** Certificate in Python programming fundamentals.
- **HTML, CSS, Bootstrap Certification – Infosys Springboard (2024):** Frontend development fundamentals certification.
- **Certification in JavaScript – Udemy :** Certificate in core JavaScript concepts and web scripting.
- **Goldman Sachs Software Engineering Job Simulation – Forage**