

# Somil Agrawal

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## EDUCATION

VIT Bhopal University

B.Tech, Computer Science Engineering

Expected Aug 2026

CGPA: 7.93/10

## TECHNICAL SKILLS

**Languages:** C++, C, SQL, HTML, CSS, JavaScript

**Frontend:** React.js, TailwindCSS

**Databases:** MongoDB, MySQL, PostgreSQL

**Backend:** Node.js, Express.js, REST APIs

**Cloud/DevOps:** AWS, Render, CI/CD Pipelines

**Other:** Git/GitHub, Web-Scraping, NLP Integration

## EXPERIENCE

Birlasoft – Intern/Apprentice

Oct 2024 – Dec 2024

- Contributed to backend development in Node.js and Express.js with a focus on secure, scalable APIs.
- Assisted in building and enhancing backend features under the guidance of senior developer.
- Collaborated with the team in writing clean, maintainable JavaScript code and understanding API design principles.
- Strengthened understanding of databases and REST APIs, contributing to minor tasks in internal applications.

## PROJECTS

**OneLife: AI-Powered Healthcare Management Platform**



MERN, Gemini API, WebSockets, Web Scraping

Dec' 2025

- Developed a full-stack AI-powered hospital management platform using MERN stack with secure JWT authentication, HIPAA-compliant data handling, and role-based dashboards.
- Integrated Gemini API for an intelligent medical chatbot providing symptom analysis, appointment triage, and doctor recommendations, alongside real-time telemedicine via WebSockets.
- Engineered scalable infrastructure with AWS, Docker, and CI/CD pipelines, including automated billing (Razorpay), web scraping of WHO/health data, and responsive EHR workflows for 100+ users.

**Chat-App: Real-Time Messaging Platform**



MERN, Socket.IO, JWT Authentication, Vercel Deployment

Sept' 2025

- Developed secure real-time chat application with JWT-based authentication, one-to-one messaging, and dynamic online/offline status tracking using Socket.IO.
- Designed scalable backend with Node.js, Express.js, and MongoDB, enabling persistent chat storage, media sharing, and user profile management.
- Deployed on Vercel with responsive React + TailwindCSS UI, optimized session handling, and improved user retention through seamless authentication flow.

## CERTIFICATIONS

- Full Stack Web Development By Udemy
- Front-End By Meta
- Programming with JavaScript By Meta



## EXTRACURRICULAR

- Solve 700+ problem on coding platforms like LeetCode, GFG, HackerRank; with a consistent rating of 1400+
- Completed the DrGVishwanathan challenge to strengthen programming and problem-solving skills, posting daily progress updates and insights on LinkedIn throughout the journey.