

# SHAURYA VERMA

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## PROFESSIONAL SUMMARY

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**Software Developer** experienced in building scalable, microservices-based applications and AI-powered systems. Skilled in API design and distributed systems, with emphasis on clean code, SOLID principles, and code quality through reviews and refactoring. View my production-grade portfolio with CI/CD and performance tuning and optimization at [shaurya.online](https://shaurya.online).

## EDUCATION

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**Bachelor of Technology in Computer Science Engineering**  
Vellore Institute of Technology (GPA: 7.72/10)

July 2021 – July 2025  
Vellore, Tamil Nadu

## EXPERIENCE

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**Senior Software Engineer**, *Capgemini Technology Services Ltd*

September 2025 – Present

- Delivered full-stack solutions for Baker Hughes IEP Migration Project using Angular within an Agile environment, building responsive components and integrating backend APIs, reducing UI defects by 25%.
- Developed component-driven software design using .NET and Angular, designing and integrating 15+ RESTful APIs in a 3-tier architecture to enable efficient communication across web services.
- Designed and implemented Retrieval-Augmented Generation (RAG)-based AI solutions, enabling context-aware data retrieval and improving query accuracy by 20%.

**SDE Intern**, *TeamLease Services Ltd (Bengaluru)*

January 2025 – March 2025

- Programmed modular single-page applications (SPA) using React.js and Flask REST APIs, reducing navigation time by 45% and improving code reusability across components by 30%.
- Enforced React Hooks, Context API, and Suspense to modernize architecture, reducing code complexity by 5%.

**Project Manager**, *VinnovateIT (VIT, Vellore)*

June 2022 – June 2023

- Released 5 products- 2 apps, 1 website, 1 extension, and 1 Discord bot, handled the PR, and launched within and outside the campus. User count increased 150% from 14,000 to 35,000. [PlayStore Link](#)

## PROJECTS

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**Financial Management Software** | *Streamlit, Flask, MongoDB, Cohere API, Llama*

July 2024

- Coded a financial software solution to automate core accounting tasks, increasing operational efficiency by 35%.
- Deployed machine learning algorithms for data-driven insights, resulting in a 20% reduction in financial inconsistencies and achieved secure user authentication using MongoDB. [Project Repository](#)

**Robot Assisted Networking System** | *Keras, Socket, Tkinter, HTML, CSS, JavaScript*

August 2023

- Engineered a remote robotic control platform using socket programming for network, achieving low-latency communication (under 100ms) for smooth real-time operations. [Project Repository](#)
- Applied Keras-based emotion detection, identifying user sentiment with over 90% accuracy, enhancing the interaction between operators and customers, along with a web interface for controlling robotic tasks, handling 500+ commands per minute, ensuring seamless robot movement and communication.

## SKILLS

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**Programming Languages:** Java, C++, C#, JavaScript, TypeScript, PHP, R, Unix, PL/SQL, Python

**Frontend:** Angular, React, Tailwind, Bootstrap, Streamlit, Tkinter, JavaFX, HTML, CSS

**Backend & DB:** ASP.NET Web API, Entity Framework, Flask, REST APIs, NodeJS, MongoDB, MySQL, Oracle

**Cloud, Tools & Platforms:** Azure, Git, Swagger, Postman, AWS, Jira, Figma, Rally, SSMS, Playwright

**Core Concepts:** Data Structures, Object-Oriented Programming, System Design, Cross-functional Communication

## CERTIFICATIONS

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- Responsive Web Development (FreeCodeCamp.org) - [Hosted link](#)
- Microsoft Azure Fundamentals (AZ900)- [Credential Link](#)
- Glide - Google Workspace Web Application Development (Live at [mybooksurru.glide.page](https://mybooksurru.glide.page)) - [Certificate](#)
- Amazon AWS and Google Cloud Practitioner - Industrial Student Training
- Equity Research and Valuation (Government Training Program by NSE Academy) - [Certificate](#)