

SHAURYA VERMA

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EDUCATION

Bachelor of Technology in Computer Science Engineering

July 2021 – July 2025

Vellore Institute of Technology (GPA: 7.72/10)

Vellore, Tamil Nadu

EXPERIENCE

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 for scalable workflows, reducing UI defects by 25%.
- Developed microservices-based component-driven applications using .NET and Angular, designing and integrating 15+ RESTful APIs in a 3-tier architecture to enable efficient communication across distributed systems.
- 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%.

Automation Engineer, Team Vyadh (VIT, Vellore)

March 2023 – October 2023

- Researched and executed Hindsight Experience Replay (HER) for a custom robotic arm, improving learning efficiency in sparse reward environments; achieved AIR 13 and qualified for Round 2.

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

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

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

Frontend: Angular, React, TypeScript, Tailwind, Bootstrap, Streamlit, tkinter, 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 (CA Agile), SQL Server (SSMS)

Core Concepts & Soft Skills: Data Structures, OOP, System Design, Distributed Systems, Collaborative Communication

CERTIFICATIONS

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