

Varun Saxena

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 Portfolio

SUMMARY

I'm a passionate software developer who enjoys building AI-powered applications, scalable web solutions, and cloud-based systems. With experience in Python, Java, and JavaScript, and a strong interest in machine learning, NLP, and LLMs, I focus on writing clean, efficient code that solves real-world problems. I'm driven by curiosity, continuous learning, and the desire to create meaningful impact through technology.

EXPERIENCE

Product Engineer

Microsoft

 09/2025 - Present

 Pune, Maharashtra

Microsoft's AI and Cloud division empowers organizations with intelligent technology solutions.

- Built a Python-based automation solution using Azure Functions and Microsoft Graph API to streamline Microsoft Entra ID user lifecycle management, reducing manual effort by 60% and accelerating onboarding by 80%.
- Troubleshooted and fixed Active Directory to Entra ID synchronization problems using Azure AD Connect, improving sync success rates by 25%.
- Analysed sign-in, audit, and directory logs to speed up problem identification, resulting in 28% faster resolution of complex support cases.
- Resolved Microsoft Entra ID user and group issues with a 98% customer satisfaction score, reducing overall case resolution time by 30%.

AI Engineer Intern

Outlier AI

 10/2024 - 06/2025

 Bangalore, Karnataka

An AI company focused on developing advanced AI and NLP solutions.

- Fine-tuned and evaluated Meta LLaMA-based LLMs, improving reasoning accuracy by 25% and reducing hallucination rates by 18% through structured error analysis and optimization.
- Optimized prompt engineering and response frameworks, increasing model efficiency by 12% and reducing token usage by 20% while enhancing output consistency by 15%.
- Built standardized LLM evaluation and reporting pipelines, reducing iteration cycles by 30% and accelerating team onboarding by 40%.

Software Engineer Intern

Dean Infotech

 04/2024 - 06/2024

 Faridabad, Haryana

A tech company specializing in software development and IT solutions.

- Enhanced and optimized full-stack web applications, improving performance by 20%, reducing production bugs by 30%, and accelerating feature delivery by 28%.

SKILLS

Programming Languages & Frameworks

Python, Java, C++, JavaScript, HTML, CSS, SQL, PyTorch, AutoGen, React, Flask, Django, Node.js, PyCharm, Go, LangChain

AI & Machine Learning

NLP, LLM, Generative AI, Prompt Engineering, Claude, Microsoft Copilot Studio, Fine-tuning, Meta Llama

Cloud Technologies

AWS, Microsoft Azure, Google Cloud Platform, Microsoft Entra ID, Amazon (EC2), Azure VM, Azure Functions

Databases

MongoDB, MySQL, CosmosDB

Tools & Platforms

Git, SVN, GitHub, Postman, VS Code, Eclipse, Vercel,

Core Engineering

OOP, Data Structures & Algorithms, OS, Networking, Shell Scripting, Web Security, Problem-solving

KEY ACHIEVEMENTS

Microsoft Global Hackathon 2025

Won 1st Prize globally at the Microsoft Global Hackathon 2025 for the Executive Challenge "Creating an Agent to Unleash Copilot's Potential," recognized for building an innovative AI agent that enhanced Copilot's capabilities and delivered measurable business impact.

500+ Coding Problems Solved

Solved over 500+ coding problems on LeetCode and Coding Ninjas, demonstrating strong DSA and problem-solving skills.

EDUCATION

Bachelor of Engineering in Computer Science (AIML)

Acharya Institute of Technology (VTU)

 12/2021 - 05/2025

 Bangalore, Karnataka

PROJECTS

Interactive Storytelling Platform

An interactive platform where user decisions completely control the storyline, creating a personalized and immersive reading experience.

- Built a fully interactive narrative engine where 100% of the story flow is driven by user choices.
- Designed and implemented a clean, intuitive UI, improving navigation and user engagement by 30%.
- Integrated frontend and backend logic to ensure smooth transitions between story paths.

Multi-User Chat Application

A real-time chat application enabling multiple users to communicate seamlessly through chat rooms and live message streams.

- Developed real-time messaging functionality with structured chat rooms and continuous message streams.
- Designed a responsive and user-friendly interface, improving user experience by 30%.
- Ensured cross-device compatibility, enhancing overall usability by 40%.