

Sujit Avchar

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Education

STES Smt Kashibai Navale College Of Engineering, BE in Computer Engineering

November 2022 – June 2026

- GPA: 8.64 / 10
- **Coursework:** Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Computer Networks

Technical Skills

- **Programming Languages:** C++, Java, Python, JavaScript
- **Front End:** HTML, CSS, JavaScript, ReactJS
- **Backend:** Nodejs, Expressjs, RestAPI, FastAPI, SQL, MySQL, MongoDB, GraphQL
- **Platforms:** Linux, Windows, Visual Studio Code, GitHub, Google Cloud Platform (GCP), Postman

Experience

Software Engineer Intern, WallMag Global Pvt Ltd – Pune, Maharashtra

Jan 2025 – April 2025

- Automated the entire flow of marketing and customer review emails using n8n, cutting down manual work by 75%.
- Built a form generation system using Python Google Forms API, Google Apps Script, and FastAPI, that generates personalized interview forms for creators according to their content category, for publishing interviews in monthly magazines.
- Designed the backend database schemas for an event-hosting platform, enabling it to maintain creator portfolios, manage real-time voting and jury-based evaluations during events.
- Built and integrated AI-powered chat bots with Instagram and WhatsApp, improving customer query resolution by 80%.
- **Skills Used:** n8n, JavaScript, Python, FastAPI, Automation, Gen AI.

Mathematical AI Trainer , Outlier – Pune, Maharashtra

Sept 2024 – Dec 2024

- Analyzed and optimized responses of LLM models for mathematical problems solved using Python, achieving a 20% improvement in accuracy.
- Provided algorithmic optimizations and guided LLM models towards correct solution to improve accuracy.
- **Skills utilized:** Python, Code Review, Mathematical Analysis.

Projects

NETWRK - Networking platform for professionals

[View Project](#) | [GitHub](#)

- Created an AI-powered networking platform that enables professionals to share experiences, create content, and connect.
- Implemented an AI-powered “Rewrite with AI” feature and chatbot to improve text content and enhance user experience in one click, streamlining post creation.
- Secured the platform using JWT authentication with access and refresh tokens for session management and user privacy.
- **Technologies used:** ReactJs, NodeJs, ExpressJs, MongoDB, Git, Generative AI

OrganizeIt: Automating File Management for Enhanced Productivity

[View Project](#) | [GitHub](#)

- Developed a desktop application that serves **1000+ users**, increases productivity by 40% and achieves a satisfaction rate of 90% based on user feedback. It organizes files in a folder according to their file types in just one click.
- Highlighted expertise in application development and innovating user-centric software solutions.

Open Shortest Path First Protocol Visualizer

[View Project](#) | [GitHub](#)

- Designed and implemented a **Reactjs** -based web application to simulate and visualize the Open Shortest Path First (OSPF) protocol, emphasizing real-world applications in network routing.
- Integrated and optimized **Dijkstra’s algorithm** for efficient shortest path calculation and cost optimization.

Competitive Programming & Achievements

- Actively participated in over 30+ contests on various platforms, demonstrating the ability to solve problems under time constraints.
- Solved 500+ problems on Leetcode, Codeforces and GeeksForGeeks demonstrating problem solving skills.
- **Coding Profiles:** [Leetcode \(1608 max\)](#) | [Codeforces \(848 max\)](#) | [CodeChef \(1345 max\)](#)

Certifications

- **C++** - Indian Institute of Technology, Bombay ([Link](#))
- **Cloud Computing Job Simulation** - Verizon, Forage ([Link](#))
- **Python** - Indian Institute of Technology, Bombay ([Link](#))
- **AWS Cloud Practitioner Essentials** - AWS ([Link](#))
- **Java** - Indian Institute of Technology, Bombay ([Link](#))