

Vikrant Patil

Developer ,Mumbai, India

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Professional Summary

Results-driven Developer with over two years of experience in real-time, multi-threaded application development using C and Python. Skilled in Data Structures and Algorithms (DSA), with a strong foundation in optimization techniques, memory management, and performance tuning. Experienced in UNIX inter-process communication, automation, and CI/CD practices. Known for quick problem-solving, attention to detail, and efficient collaboration in high-pressure settings.

Professional Experience

Developer

Tata Consultancy Services (TCS)

Mumbai, India

06/2023 – Present

- Designed and optimized backend systems for high-volume trading applications at NSE, using C, Python, and JSON, achieving efficient processing and client-specific requirements.
- Created and maintained automation scripts and utility tools to streamline development and deployment processes, reducing manual efforts.
- Automated configuration and environment setup processes with Python and JSON, resulting in faster and more reliable deployments.
- Conducted Root Cause Analysis (RCA) for production and UAT issues, achieving a 30% reduction in reported issues through proactive troubleshooting and optimized performance solutions.
- Engaged in client interactions, supporting quick resolution of technical challenges and meeting stringent SLAs.

Achievement:

Best Team Award – Recognized for timely completion of high-impact client deliverables through proactive communication and collaboration.

Skills

- Programming Languages:** C, C++, Python
- DSA:** sorting, searching, recursion, dynamic programming and memory-efficient algorithm Development.
- Scripting & Automation:** Shell Scripting, Python
- Debugging:** GDB
- Development Methodologies:** Agile, Waterfall
- Version Control:** Git, SVN
- Continuous Integration Tools:** Jenkins
- Data Representation & Configuration:** JSON

Certifications

- 1. AI for Everyone
- 2. Internet of Things
- 3. Web Development

Education

Bachelor of Engineering in Electronics and Telecommunication

MVP's KBTCOE, Savitribai Phule Pune University 2018 – 2022, CGPA: 8.31

Notable Projects

- Object Recognition and Sorting using Image Processing**
Designed an automated conveyor system using computer vision techniques to identify and sort various objects, integrating stepper and servo motors for precise operation. This project minimized human intervention and optimized the sorting speed, benefiting industries by enhancing process efficiency.
- Property Price Prediction Using Machine Learning**
Utilized machine learning with TensorFlow to implement regression algorithms, enabling accurate property price prediction based on historical data. The model helps in market analysis by forecasting future trends in real estate.

Languages

- English (Professional Proficiency)
- Marathi (Native)
- Hindi (Fluent)