

# Vaibhav Patil

Bangalore, India Phone: +91 886 149 5511 Email: [vaibhavrpatilmanu@gmail.com](mailto:vaibhavrpatilmanu@gmail.com) [LinkedIn](#) [Portfolio](#) [LeetCode](#)

## Professional Summary

Software Developer with 1+ years of experience at **Tata Consultancy Services**, specializing in **Python development and data visualization tools**. Delivered 5+ enterprise applications, optimized system performance by 30%, and automated processes saving 160+ hours of manual work.

## Technical Skills

- **Programming:** Python (2+ years), JavaScript, Java, C/C++, SQL
- **Python Frameworks:** Django, Flask, FastAPI, Celery, SQLAlchemy, Pandas, NumPy
- **Web & APIs:** Django REST, React.js, Node.js, Express.js, RESTful APIs, GraphQL
- **Databases & Cache:** PostgreSQL, MySQL, Redis, MongoDB, Database Optimization
- **Tools & DevOps:** Git, Docker, Linux, Qt5, VTK, PyVista, AWS, CI/CD

## Professional Experience

### Python Developer, Tata Consultancy Services

Bangalore, India

Aug 2024 - Present

1+ Years Experience

- Optimized 8 Python applications using algorithms and data structures, improving efficiency by 30% for 200+ users
- Developed 5 Qt-based tools with VTK, NumPy integration, reducing analysis time by 40% for 50+ engineers
- Built scalable 3D visualization system processing 10GB+ datasets with real-time rendering and API connectivity
- Automated 12 workflows using Python scripts and CI/CD practices, saving 160 hours/week across development team
- Mentored 3 junior developers on coding standards and best practices, leading code reviews for 25+ pull requests

## Projects

### E-Commerce Analytics Dashboard

2025

Python, Django, PostgreSQL, Redis, Celery, Chart.js

- Built real-time analytics platform processing 50K+ transactions/day with Django REST framework and PostgreSQL
- Implemented Redis caching and Celery task queues reducing dashboard load time by 70%
- Developed 15+ API endpoints with authentication, pagination, and rate limiting serving 5+ client applications

### Weather App & Train Management System

2024-2025

Python, Qt, Java, JavaScript, REST APIs

- Built weather application serving 500+ API calls/day with Qt interface supporting 100+ cities
- Developed train booking system handling 1000+ records with Java Servlets and JDBC database connectivity

## Education

### B.E. in Information Science Engineering, Basaveshwar Engineering College

Dec 2020 - Jun 2024

GPA: 8.16

Karnataka, India

## Achievements & Certifications

- Improved system performance by 30% impacting 200+ users and reduced processing time by 40%
- Completed 3 industry certifications: Cybersecurity (Cisco), Python (Google), Data Structures (UMich)
- Achieved 8.16 GPA in Information Science Engineering, ranking in top 15% of class

## Additional Information

- **Languages:** English (Fluent), Hindi (Native), Kannada (Native)
- **Links:** GitHub: [github.com/vaibhav88614](https://github.com/vaibhav88614) — Portfolio: [vaibhav88614.github.io](https://vaibhav88614.github.io)