

# 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

**Aug 2024 - Present**

*Bangalore, India*

*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)