

SOHAM MANISH SAWALAKHE

Backend Developer | Full-Stack Engineer | Python Developer

📞 7558496659 | ✉️ sohamsawalakhe@gmail.com | 🔗 [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Results-driven Backend Developer with hands-on experience designing and deploying scalable RESTful APIs, microservices, and server-side systems using Node.js, TypeScript, Python (Django/Flask), and Prisma ORM. Proven ability to architect high-performance database schemas, integrate machine learning models into production applications, and deliver full-stack features using React.js and Next.js. Adept at Agile development workflows, cloud-based deployments, and data-driven engineering with Pandas, NumPy, and Power BI. Committed to writing clean, maintainable, and performance-optimized code.

TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, SQL, HTML, CSS
Frameworks	Node.js, Express.js, Django, Django REST Framework (DRF), Flask, React.js, Next.js, Bootstrap
Databases & ORM	MySQL, SQLite, Prisma ORM, PostgreSQL
Cloud & DevOps	Git, GitHub, REST APIs, Cloud Computing, Agile / Scrum
Data & ML	Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Power BI, DAX, Power Query
Tools	Postman, VS Code, Excel

PROFESSIONAL EXPERIENCE

Backend Developer | Sitarahub

Mumbai, Maharashtra

Jan 2026 – Present

- Develop and maintain scalable backend services using Node.js, TypeScript, and Prisma ORM, supporting high-throughput web applications with optimized API response times.
- Design and implement RESTful APIs to enable secure, efficient data exchange between backend systems and Next.js frontend applications.
- Optimize relational database schemas and SQL queries in MySQL/SQLite to improve application performance and long-term maintainability.
- Build backend data pipelines and reporting workflows using Pandas and NumPy to support analytics and business intelligence requirements.
- Collaborate in Agile/Scrum teams using Git and GitHub; contribute to code reviews, debugging sessions, testing, and CI/CD deployment activities.

Full-Stack Developer Intern | TechElevare

Pune, Maharashtra

Aug 2025 – Dec 2025

- Built responsive, accessible frontend interfaces using React.js, following component-based architecture for scalable and reusable UI development.
- Developed RESTful backend APIs using Node.js and Express.js with efficient MySQL database integration and optimized query performance.
- Integrated machine learning models (Python/Scikit-learn) into full-stack applications to deliver intelligent, data-driven features for end users.
- Led module development, API integration, and debugging workflows within cross-functional Agile teams, following industry-standard coding practices.

KEY PROJECTS

Covert Database Detection System | *Python, Tkinter, Scikit-learn, Cryptography, Steganography*

- Engineered a desktop-based security tool to conceal and detect covert databases using cryptographic encryption methods and steganographic algorithms.
- Applied supervised machine learning (Scikit-learn) for anomaly detection and pattern recognition in hidden file structures.
- Implemented intelligent file-signature analysis and optimized search algorithms, resulting in accurate detection of obfuscated data artifacts.
- Research published as a Scopus-indexed paper: "Covert Data Intelligence and Secure Information Hiding Techniques."

Any Search Tool — Advanced File Access Utility | *Python, Tkinter, Threading, OS Modules*

- Developed a custom desktop file-search application enabling rapid, recursive directory traversal with real-time file and folder location results.
- Leveraged Python's os, threading, and tkinter modules to build a responsive, multi-threaded GUI with non-blocking search execution.
- Implemented robust error handling, progress tracking, and performance optimization features to ensure reliability across large file systems.

EDUCATION

Bachelor of Technology (B.Tech) — Computer Engineering

Government College of Engineering, Yavatmal

2021 – 2025

CERTIFICATIONS

Google Cybersecurity Professional Certificate | Google AI Essentials | Google Cloud Computing Foundations
Accenture Data Analytics & Visualization Job Simulation | Cisco Data Analytics Essentials | Cybersecurity Fundamentals

ACHIEVEMENTS & ADDITIONAL

- Published Scopus-indexed research paper on "Covert Data Intelligence and Secure Information Hiding Techniques" — peer-reviewed international publication.
- Solved 100+ coding and algorithmic problems on LeetCode and HackerRank, demonstrating strong data structures and algorithm skills.
- Participated in academic hackathons and collaborative software engineering projects; experienced in cross-functional Agile team environments.
- Strong knowledge of backend architecture, API security, microservices design, and cloud-based application deployment.