

# Soham Manish Sawalakhe

7558496659 | [sohamsawalakhe@gmail.com](mailto:sohamsawalakhe@gmail.com) | [LinkedIn](#) | [GitHub](#)

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## PROFESSIONAL SUMMARY

Results-driven Computer Engineering student with strong expertise in Python, AI/ML, and Full-Stack Web Development. Experienced in building scalable applications, implementing advanced algorithms, and integrating secure systems. Proven track record of delivering high-impact projects with clean, maintainable code. Passionate about problem-solving, data-driven insights, and innovative software solutions.

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## TECHNICAL SKILLS

- **Languages:** Python, Java, HTML, CSS, JavaScript, SQL
  - **Frameworks & Tools:** Django, Flask, Tkinter, REST APIs, Bootstrap
  - **Data Analysis:** Pandas, NumPy, Matplotlib, Seaborn, Microsoft Power BI
  - **AI/ML:** Scikit-learn
  - **Version Control:** Git, GitHub
  - **Other Tools:** AWS, Excel, VS Code
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## PROJECTS

### Covert Database Detection | Python, Tkinter, Scikit-learn, Stegano, Cryptography

- Built a desktop application to detect hidden databases using steganography, cryptography, and advanced data structures.
- Achieved 90% detection accuracy by integrating custom ML models.
- Designed real-time analysis visualization and comprehensive reporting interface.

### Any Search Tool for Easy File Access | Python, GUI Libraries

- Developed a real-time file search tool with directory filtering for faster file access.
- Implemented a lightweight GUI ensuring high responsiveness and user-friendly design.

### Library Management System (Full-Stack Web App) | Django, DRF, MySQL, Bootstrap

- Built a dual-interface system for admin and student users with token & session-based authentication.
  - Created RESTful APIs enabling secure CRUD operations on books.
  - Developed a custom admin dashboard for simplified library management.
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## EDUCATION

**B.Tech in Computer Engineering** – CGPA: 8.26 | 2021–2025

Government College of Engineering, Yavatmal

**Higher Secondary (HSC)** – 84.8% | 2020–2021

Bhartiya Mahavidyalaya, Amravati

**Secondary (SSC)** – 77.6% | 2019

Dnyanmata High School, Amravati

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## CERTIFICATIONS

- Google Cybersecurity Professional Certificate
  - Cisco Networking Academy – Data Analytics Essentials
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## ACHIEVEMENTS

- Published paper on *Covert Data Intelligence: Advance Hiding Techniques* (Scopus Indexed).
- Solved 100+ algorithmic problems on coding platforms.
- Recognized in multiple hackathons for innovative solutions.