

# Rahul Bainade

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## SUMMARY

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Aspiring Python Developer with a strong background in cybersecurity and hands-on experience in building automation tools, desktop applications, and security-focused solutions using Python, Flask, and Tkinter. Demonstrated ability to enhance system efficiency and security through projects involving Intrusion Detection Systems (IDS), Privacy Leak Analysis, and Automated Backup Systems. Proficient in scripting, API integration, and automation, with a security-first mindset. Familiar with tools like Wireshark, Burp Suite, and Kali Linux. Seeking a Python development role to deliver scalable, secure, and efficient software solutions.

## EDUCATION

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### Bachelor of Computer Science

Dr.G.Y.Pathrikar college of CS & IT,MGM University

chh. Sambhajinagar, India  
**2023-2026**

### HSC

Sant Dnyaneshwar Secondary & Higher Secondary School:76.20

chh. Sambhajinagar, India  
**2021-2023**

### SSC

Zp High School Ladsawangi : **78.20%**

chh. Sambhajinagar, India  
**2020-2021**

## SKILLS

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**Programming Languages:** Python, Java, C++, HTML

**Web & Automation Frameworks:** Flask, Tkinter

**Security Tools:** Wireshark, Kali Linux, Metasploit, Nmap, Burp Suite

**Platforms & Environments:** VirtualBox, Linux, Windows

**Security Concepts:** IDS/IPS, Multi-Factor Authentication (MFA), Threat Detection, Packet Analysis

**Other Tools:** Git,SQLite, JSON

## CERTIFICATION

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- Geo-Data Sharing and Cybersecurity – IIRS, ISRO
- Cyber Security: From Beginner to Expert – Udemy
- Cyber Security Analyst Virtual Internship – Forage
- Career Essentials in Cybersecurity – Microsoft
- python Programming Intern | Vault of Codes

## EXPERIENCE

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### Python Programming Intern

*Vault of Codes / 1-month internship*

- Gained hands-on experience in Python programming, project execution, and problem-solving.
- Applied academic knowledge to real-world scenarios under industry guidance.
- Enhanced technical and analytical skills for future projects and professional growth.

## PROJECTS

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### 1.Restaurant Name & Menu Generator – Personal Project

*Technologies: Python 3.11, Streamlit, Google Gemini AI*

- Designed and developed an AI-powered web application that generates creative restaurant names, taglines, and complete menus based on user-selected country and theme.
- Integrated Google Gemini AI for natural language generation and Streamlit with custom styling to create an intuitive and user-friendly interface.
- Implemented caching for faster performance, secure API key management using dotenv, downloadable menus, and smooth user experience with progress indicators and overlays.
- Applied AI technologies to solve real-world problems, providing quick and creative solutions for entrepreneurs, students, and food enthusiasts.

### 2.Auto Backup System with Email Notification

*Technologies: Python, Tkinter, smtplib, Threading*

- Developed a desktop automation tool to schedule folder backups at user-defined intervals, ensuring data safety and recovery.
- Utilized multi-threading to maintain GUI responsiveness during backup operations.
- Integrated real-time email notifications using smtplib to inform users about backup status and errors.
- Enhanced application security by implementing Multi-Factor Authentication (MFA) for secure access.

### 3.Privacy Leak Analyzer for Android Apps

*Technologies: Python, Flask, Androguard, HTML/CSS, Chart.js, JSON*

- Built a web application to analyze Android APK files for privacy leaks and security vulnerabilities.
- Extracted permissions and detected insecure API usage with Androguard, providing actionable insights.
- Designed a risk assessment algorithm to score and classify apps into Low, Medium, or High risk categories.
- Developed an interactive dashboard using Chart.js to visualize app risks, improving user understanding and decision-making