TUSHAR TRIVEDI

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PROFESSIONAL SUMMARY

Detail-oriented Software Developer with hands-on experience in backend development, API design, and cybersecurity. Proficient in Python programming, database management, and cloud technologies with proven ability to develop secure applications and implement infrastructure solutions. Seeking to leverage technical skills and security knowledge in a challenging developer role.

TECHNICAL SKILLS

- **Programming Languages:** Python (Advanced), SQL (Intermediate), C/C++ (Intermediate)

- **Libraries & Frameworks:** FastAPI, Pandas, NumPy, Matplotlib

- **Database Technologies:** PostgreSQL, SQLite

- **DevOps & Cloud:** AWS Cloud Practitioner, Git, CI/CD pipelines

- **Security Tools:** FFUF, Burp Suite, Wireshark, Nmap, Nessus

- **Operating Systems:** Windows, Linux (Ubuntu, Kali)

- **Soft Skills:** Problem-solving, Technical Documentation, Team Collaboration, Communication

EDUCATION

Bachelor of Computer Application
Poddar International College, Jaipur, Rajasthan
CGPA: 8.04/10.0 (80.4%)
2019 - 2022

PROJECTS

SOCIAL MEDIA API | Python, FastAPI, PostgreSQL, JWT

- Engineered a RESTful API backend for a social networking platform with 95% test coverage

- Implemented secure user authentication using JWT tokens, reducing unauthorized access attempts by 100%

- Developed endpoints for user management, post creation/deletion, and content feed generation following API best practices

- Utilized PostgreSQL for data persistence and implemented efficient database queries improving response time by 30%
- Created comprehensive API documentation using Swagger UI for improved developer experience

VIRTUAL ASSISTANT | Python, Speech Recognition, APIs

- Developed a voice-controlled assistant using Python that processes natural language commands with 85% accuracy
- Integrated multiple APIs including Google Search, Weather, Calendar, and Music streaming services
- Implemented multithreading to handle concurrent tasks such as alarm setting, music playback, and web searches
- Created modular code architecture allowing for easy addition of new features and capabilities
- Reduced manual task completion time by an average of 45% for common daily activities

HOME LAB SETUP & SECURITY | Virtualization, Network Security, Linux

- Architected and deployed a virtualized environment using VirtualBox and VMware to simulate enterprise infrastructure
- Configured and hardened multiple operating systems (Windows Server, Ubuntu, CentOS) following security best practices
- Implemented intrusion detection systems, reducing potential security incidents by monitoring network traffic
- Performed regular vulnerability assessments using Nmap and Nessus, identifying and patching 15+ critical vulnerabilities
- Documented comprehensive security protocols and configurations for knowledge transfer and future reference

CERTIFICATIONS

- **AWS Cloud Practitioner Essential** (Amazon Web Services) - April 2023
- **Technical Support Fundamentals** (Google/Coursera) - February 2023
- **SOC Core Skills** (AntiSyphon) - December 2022
- **Web Fundamentals** (TryHackMe) - October 2022
- **Fundamentals of Vulnerability Management** (Cybrary) - September 2022