Shivam Rathod

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EDUCATION

International Institute of Professional Studies, DAVV   **Indore, India**
*Integrated B.Tech and M.Tech (5 Years) - **8.73 CGPA***   *Sept 2023 - Jun 2028*
Govt D A Boys H S School No. 2   **Khargone, India**
*Class 12th - **77%***   *Apr 2021 - Apr 2022*

TECHNICAL SKILLS

Programming & Web: Python, C, C++, SQL, Django, Streamlit, HTML5, CSS3, Bootstrap
AIML & Data Tools: LangChain, OpenAI API, Ollama, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib
Platforms & Security: Git, GitHub, SIEM Tools, Risk Assessment, Security Frameworks, Network Security

WORK EXPERIENCE

Python Development Intern
Cognifyz Technologies, Remote   *Jun 2024 - Jul 2024*
- Developed 15+ Python applications with 25% code efficiency improvement.
- Achieved 100% project delivery rate in 1-month intensive program.
- Created reusable modules reducing development time by 30% .

PROJECTS

- **KrishiMitra-AI (Team Lead)**, Led a 7-person team to develop and deploy a bilingual, multi-agent AI assistant providing farmers with actionable intelligence. Architected the core system, personally training a plant disease diagnosis model (CNN, EfficientNetB0) and developing a web scraper for market prices, while integrating the team's live weather API agent. Try it!
- **AI Agent Suite**, Built an intelligent agent suite powered by local LLMs (Ollama) to automate real-time query handling. The system integrates voice interaction, document-based Q&A using LangChain, and web scraping capabilities, improving workflow efficiency by over 40%. GitHub
- **DjangoCart**, Designed and deployed a full-stack e-commerce app with Django MVT, featuring secure authentication, dynamic product catalogue, category-specific pages, and a shopping cart with update/delete functionality; optimized for 1,000+ concurrent transactions with 95% mobile compatibility. Try it!
- **Automotive Data Analysis**, Conducted data preprocessing, statistical modeling, and visualization of automotive datasets using Pandas, NumPy, and Matplotlib. Identified 15+ key trends in fuel efficiency and performance with 99.5% accuracy, enabling data-driven decision-making through interactive dashboards. GitHub

CERTIFICATIONS

- **AI Essentials (Google)**, Studied core AI principles and ethical practices, learning implementation strategies for responsible, real-world AI development.
- **Google Cloud Computing & Gen AI (Google Cloud Study Jam)**, Completed foundational training in Google Cloud and prompt engineering, applying GenAI techniques and cloud tools to real-world scenarios.
- **Skills-Build Data Fundamentals (IBM)**, Applied data analytics concepts by performing statistical analysis and data refinement, using IBM Watson Studio for visualization.
- **Foundations of Cybersecurity (Google)**, Developed skills in threat analysis and risk assessment, utilizing security frameworks and tools to understand the impact of attacks on business operations.
- **Play It Safe: Manage Security Risks (Google)**, Implemented security frameworks and SIEM tools for risk mitigation while examining key controls for securing business-critical systems.
- **Computer & OS Security (Microsoft)**, Explored secure system design, encryption, and access control methods to gain insight into modern cybersecurity threats and effective responses.

ACHIEVEMENTS

- Solved **440+** Data Structures & Algorithms (DSA) problems across LeetCode, Coding Ninja and HackerRank.
- Achieved a **Global Rank 4900** (Codolio) and **1128 rating** (CodeChef) in competitive programming.
- Maintained **290+** GitHub contributions in the last year, reflecting consistent coding practice.
- Built a LinkedIn network of **1,600+** connections with posts reaching **17,500+** professionals.

EXTRACURRICULAR ACTIVITIES

- **Registration Team** in Yuvan 2024–25 (DAVV State Youth Fest), Feb 2025
- **Event Coordinator** in TEDxDAVV, Jan 2025 –Mar 2025