SONAL SAHWAL

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LinkedIn — GitHub — Portfolio

Results driven **Software Developer** with expertise in **Python, Django, AI-driven applications, automation, and web development**. Passionate about building **scalable, high-performance applications** that leverage **AI and cloud technologies**. Adept at optimizing workflows with innovative tech solutions.

PROJECTS

Portfolio Review AI (Django, Python, AI Agents)
- Developed an AI-powered web app that analyzes portfolio websites for UX design, providing detailed reports on strengths and areas of improvement.
- Utilized Django, AI agents, and NLP models to generate data-driven insights.

Smart ATS Resume Evaluator (Streamlit, Python, Google Gemini AI)
- Built an AI-powered resume evaluator that assesses ATS compatibility based on job descriptions and provides optimization feedback.
- Implemented PDF parsing, JSON processing, and regex handling for precise data extraction.

Web Scraper for Unsplash (Selenium, Python)
- Designed a customizable image scraper that extracts high-resolution images from Unsplash using Selenium.
- Integrated parallel processing to optimize data retrieval speed.

Galactic Invasion (PyGame, Python)
- Created a classic arcade-style space shooter game, implementing collision detection, animations, and scoring mechanisms using PyGame.

TECHNICAL SKILLS

Languages & Frameworks: Python, Django, Java, HTML, CSS
AI & Automation: AI Agents, Selenium, Google Gemini AI, Streamlit
Databases & Cloud: MySQL, PostgreSQL, Google Cloud Platform (GCP)
DevOps & Tools: Docker, Kubernetes, Git, CI/CD
Other: Data Structures & Algorithms, Web Scraping, UX Optimization.

CERTIFICATIONS

Google IT Automation Professional Certification - Scripting, APIs, automation.
Issued by Google   Nov 2024
MySQL Database Administration – SQL queries, optimization, database design.
Issued by Udemy   Sept 2024
Cloud Configuration & Management – SaaS, PaaS, IaaS, Puppet automation
Issued by Google, Coursera   2024
Troubleshooting and Debugging Techniques – System performance optimization, debugging strategies
Issued by Google, Coursera   2024
Git & GitHub – Version control, CI/CD workflows
Issued by Google, Coursera   2024

EDUCATION

Delhi University
Master's Degree   2021 - 2024
Delhi University
Bachelor's Degree   2018 - 2021