MAH NOOR

Aspiring AI Researcher | Machine Learning & Data Analyst | Python & Generative AI

Email · LinkedIn · GitHub · Portfolio

ACADEMIC PROFILE

Information Technology graduate with hands-on experience in machine learning data workflows, data analysis, Python education and software QA. Interested in reliable AI, data quality, model evaluation and practical Generative AI. Seeking research-focused Master's scholarships and opportunities to develop a foundation for future PhD study.

EDUCATION

BS Information Technology | CGPA 3.62 / 4.00 | *Government Graduate College Sahiwal, Pakistan · 2022*

Academic foundation: programming, information systems, software development and core computing concepts.

PROFESSIONAL EXPERIENCE

Machine Learning Analyst | *Data preparation, OCR and error analysis*

- Prepared and annotated datasets, reviewed OCR-derived outputs, and helped organize data for ML workflows.
- Analyzed incorrect model predictions and investigated possible issues in input quality, labeling and preprocessing.

Data Analyst / Research Analyst | *Analytical tasks and client collaboration*

- Supported data processing, structured research, reporting and manual checks on dataset consistency.
- Collaborated with UK-based clients on data scraping and data-entry assignments.

TEACHING, MODERATION & MENTORING

Python & AI Moderator | *iCodeGuru × WPBrigade · 2025* View ↗

- Recognized for moderator support at the September 2025 Python & AI Bootcamp.
- Listed as a moderator for the October 2025 Python beginner programme in collaboration with the University of Sargodha.

Technical Learning & Peer Support

- Helped learners with Python fundamentals and participated in sessions involving SQA, Jira/Hubstaff workflows and IELTS speaking moderation.

INTERNATIONAL PROGRAMMING COMPETITIONS

Meta Hacker Cup 2025 | *Advanced to Round 1* View ↗

- Advanced to Round 1 after placing 1,527th in the Practice Round; practiced algorithmic reasoning and time-limited problem solving.

CALICO Fall 2025 | *Team Quantum Quokka · UC Berkeley*

- Competed with Team Quantum Quokka, placing 369/422 globally and 55/85 among participating Pakistani teams.

Harvard CS50x Puzzle Day 2026 | *Official participation certificate*

- Collaborated with teammates on themed logic challenges, combining puzzle analysis, problem decomposition and communication.

SELECTED TECHNICAL PROJECTS

Sales & Profit Dashboard | *Power BI* View ↗

- Created a reporting dashboard for sales and profit exploration, using visual summaries to communicate patterns.

Python Data Visualization | *Plotly · Jupyter Notebook* View ↗

- Documented plotting and data exploration exercises in Python notebooks.

Selenium Automation Testing | *Python · Selenium* View ↗

- Developed practice scripts for browser interaction and automated testing workflows.

Python & Algorithm Practice | *Python · DSA* View ↗

- Maintains programming exercises and solutions to practice data structures and structured problem-solving.

API Nexus — CS Girlies AI vs HI Hackathon | *Team project · 2025*

- Participated in an AI-agent team project; shared project showcase lists Next.js, TypeScript, React and Gemini as the stack.

Travel Application | *Undergraduate final-year project*

- Created a mobile travel application in Java/XML. Source code is not publicly available.

CERTIFICATIONS, DISTINCTIONS & TRAINING

Generative AI Application Developer | *PakAngels · June–July 2025* View ↗

- Completed Generative AI Training with iCodeGuru and Aspire Pakistan collaboration; issued August 2025, with Top Performer seal on certificate.

Stanford Code in Place 2026 | *Accepted student* View ↗

- Selected as a student for Stanford introductory Python programme, focused on programming fundamentals and hands-on learning.

Python & AI Moderator — Certificate of Appreciation | *WPBrigade × iCodeGuru · September 2025*

- Recognized for support and mentorship in a Python & AI bootcamp.

TECHNICAL SKILLS

Programming and tools: Python, Java/XML (academic project), Git/GitHub, Jupyter Notebook, Google Colab.

Data and BI: Power BI, Tableau, Pandas, NumPy, Matplotlib, Plotly, Excel, Google Sheets; data visualization and reporting.

ML and AI workflows: Dataset annotation, OCR analysis, preprocessing, supervised and unsupervised learning concepts, model evaluation, OpenCV (exploring), GenAI applications.

QA and collaboration: Selenium, TestRail, manual test cases, Jira, Hubstaff, project coordination, teamwork and written communication.

RESEARCH DIRECTION

Exploring dependable machine learning through dataset quality, preprocessing decisions, prediction-error analysis, evaluation methods and applied deep learning. Open to research internships, supervisors, funded Master's programmes and future doctoral research.