

SYEDA HAREEM

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PROFILE SUMMARY

Motivated and detail-oriented BS Computer Science graduate with a strong foundation in data science, machine learning, analytics, and cybersecurity principles. Experienced in building predictive models, conducting data-driven research, and applying secure coding practices. Hands-on exposure to network security, threat analysis, and security fundamentals through industry-recognized certifications. Eager to contribute to AI-driven solutions while ensuring secure, reliable, and ethical systems in a professional environment.

EDUCATION

Salim Habib University

- Bachelor of Science in computer Science

APR,2022 - JAN,2026

WORK EXPERIENCE

Junior Python Developer – Pak Techs

AUG,2025- PRESENT

- Collaborating on the development of Python-based applications using FastAPI and Flask frameworks.
- Writing modular, reusable, and optimized code for backend logic and automation scripts.
- Working with APIs, MongoDB/MySQL databases, and performing CRUD operations.
- Using Git and GitHub for version control and team collaboration.

Database Intern – ILMA University

SEPT,2024 - OCT,2024

- Assisted in managing and maintaining student and academic databases.
- Performed data entry, query optimization, and regular backups.
- Supported the team in maintaining database integrity and access control.

PROJECTS

Autism Detection through fMRI Scans

- Python | Machine Learning | Linux | ABIDE Dataset
- Built ML models for autism detection using fMRI neuroimaging data.
- Implemented feature extraction, dimensionality reduction, and classifier evaluation (GCN).
- Analyzed brain connectivity patterns and visualized results using FSL.

Breast Cancer Mortality Prediction

- Designed a regression model to predict mortality rates based on clinical and demographic data using kaplan analysis.
- Conducted exploratory data analysis, preprocessing, and model tuning.

CERTIFICATIONS

- Introduction to Cybersecurity (Cisco Networking Academy)
- Google Cyber Security (Google)

SKILL

- Programming: Python, Java, C++, SQL
- Machine Learning & Data Science: Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn
- Cybersecurity: Fundamentals of Cybersecurity, Network Security Basics, Threat & Risk Management, Security Best Practices, Incident Awareness, Identity & Access Management (Basic)
- Tools: GitHub, Jupyter Notebook, VS Code, Linux (Ubuntu)