AHMED MUSTAFA

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PROFESSIONAL SUMMARY

Software Engineering student at Mehran University of Engineering & Technology (MUET) with a 3.17 GPA and hands-on experience building 6+ Python-based ML, data analysis, and security projects. Proficient in scikit-learn, Pandas, NLP, Streamlit, and applied cryptography, with a proven ability to deploy interactive, data-driven applications independently. Seeking an internship in machine learning, data science, or software engineering.

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL
Data & Machine Learning: Pandas, NumPy, scikit-learn, Matplotlib, Seaborn, TensorFlow (beginner), NLP
Web & Visualization: Streamlit, Plotly
Security: File Encryption, Symmetric Cryptography, Information Security Fundamentals
Tools & Platforms: Git, GitHub, Jupyter Notebook, Visual Studio Code, PyCharm, Terminal, Shell, Canva, Adobe Photoshop
Soft Skills: Team Leadership, Problem Solving, Cross-functional Collaboration, Communication, Composition

EDUCATION

B.Eng. in Software Engineering (In Progress) — Mehran University of Engineering & Technology (MUET), Hyderabad, PK | CGPA: 3.17 / 4.00   *Aug 2023 – May 2027*

Intermediate – Pre-Engineering (FSc) — Ustad Bukhari Government Degree College, Dadu, PK   *Aug 2021 – Jun 2023*

Matriculation – General Science — IBA Community College, Dadu, PK   *Completed 2020*

LEADERSHIP & EXPERIENCE

Director of Visuals | WOH – Sindh Chapter, Hyderabad, PK   *2024 – Present*

- Led visual content strategy for a 50+ member university chapter, producing 10+ campaign assets per semester and maintaining 100% brand consistency across all digital and print channels.
- Coordinated with 3 cross-functional sub-teams to deliver design assets on time for 10+ events, cutting revision cycles by 30% through a structured creative review process.
- Mentored 5+ junior designers in Canva and Photoshop workflows, improving team output quality and reducing average asset turnaround time by an estimated 30%.

PROJECTS

100 Days of Machine Learning | *Python, scikit-learn, Pandas, NumPy*

- Implemented 20+ supervised and unsupervised ML models across 15+ datasets, applying feature engineering and hyperparameter tuning to improve model accuracy by up to 18%.

Olympics Data Analysis Web App | *Python, Pandas, Streamlit, Matplotlib*

- Deployed a Streamlit web app analyzing 120+ years of Olympic data across 200+ countries, reducing data exploration time by ~60% through 8+ interactive filters and visualizations.

WhatsApp Chat Analyzer | *Python, NLP, Pandas*

- Built an NLP pipeline to parse multi-user chat exports and extract 5+ behavioral metrics, processing 10,000+ messages per file with automated frequency and sentiment analysis.

Student Management System | *Python*

- Engineered a Python CLI system managing 100+ student records with full CRUD operations, cutting manual data processing time by ~40% via persistent file-based storage.

Campus Placement Prediction | *Python, scikit-learn, Pandas, Matplotlib*

- Trained and benchmarked 3 classification algorithms (Logistic Regression, Decision Tree, KNN) on student placement data, achieving 85%+ test accuracy with optimized feature selection.

InfoSec File Encryption Tool | *Python, Cryptography*

- Built an AES symmetric encryption utility securing sensitive files at rest, reducing unauthorized data exposure risk and demonstrating core InfoSec principles across 3+ file formats.

CERTIFICATIONS

- Advanced Python Programming | NAVTTC
- Introduction to NumPy | DataCamp
- Web Development | NFTP
- Writing Prompts Like a Pro | Coursera

LANGUAGES

Sindhi (Native) • **Urdu** (Fluent) • **English** (Fluent)