Muhammad Umair Imran

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EDUCATION

University of Central Punjab, Lahore
Oct 2022 - Present

- Bachelors of Computer Science,
  Major: Computer Science **Minor:** Machine Learning

CGPA: 3.55

PROFESSIONAL SUMMARY

Computer Science undergraduate with a strong focus on Artificial Intelligence, Machine Learning, and Data Engineering. Experienced in Python development, data preprocessing, automation, and model building. Completed multiple academic and freelance projects involving web scraping, ETL pipelines, and predictive modeling. Passionate about applying AI/ML techniques to solve real-world problems and eager to gain industry experience through internships.

SKILLS

- **Programming Languages**: Python, C++, JavaScript, SQL, HTML/CSS
- **Libraries & Frameworks**: Pandas, NumPy, Matplotlib, Scikit-learn, Django, Selenium, BeautifulSoup
- **Data & Tools**: Web Scraping, REST APIs, Data Cleaning, Feature Engineering, ETL Pipelines, Git, Power BI
- **Othe**r: Model Deployment, Data Visualization, Version Control

PROJECTS

Smart Baby Band – Final Year Project (In Progress)

- Developing an IoT-enabled wearable device to monitor infant health (cry detection, body temperature, and movement).

- Integrated ML model trained on infant voice data with a mobile app for real-time alerts to parents.

Coke Bottle Defect Detection – Image Processing

- Built an image processing pipeline using NumPy & scikit-image.

- Detected 10 defect types in coke bottles through custom filters and feature extraction.

ML Model for Student Performance Prediction

- Designed a regression/classification model in Scikit-learn to predict student grades.

- Applied feature engineering, visualization, and evaluation metrics for performance improvement.

E-commerce Price Tracker

- Built a Django web app to scrape product prices and notify users of changes.

- Used Selenium for automation and PostgreSQL for structured data storage.

CERTIFICATIONS

- Python for Data Science – Udemy
- Machine Learning A-Z (in progress) – Udemy
- Django Web Development Bootcamp – Udemy
- Python for Data Engineering – IBM (Coursera, in progress)
- Microsoft AI & ML Engineering – Microsoft (Coursera, in progress)