

Danyal Shah

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Education

COMSATS University Islamabad

Expected Feb 2026

Bachelor of Science in Computer Science (GPA: 4.00 / 4.00)

Wah, Pakistan

- **Relevant Courses:** Intro to Data Science, Data Mining, Data Structures and Algorithms (C++), Prob & Stat in CS (Python), Object Oriented Programming (Java), Linear Algebra

Experience

Aspire Training and Consulting

Jan 2021 – Jan 2022

Manager Operations

Islamabad, Pakistan

- Spearheaded digital marketing strategies, video editing, and IT support functions.
- Cultivated multitasking abilities, adept at handling pressure, proficient in MS Office suite, and demonstrated strong leadership skills.
- Managed 1 physical and 20 online training sessions while overseeing the company's social media presence across YouTube, Facebook, and Instagram platforms.

Projects

Loan Approval Prediction System | Machine Learning

- Built an ML model using Logistic Regression, Naive Bayes and Random Forest to predict loan approvals.
- Achieved 98 percent accuracy on test data and optimized using feature selection techniques.

Data Scraping and Sentiment Analysis | Python

- Scraped data using BeautifulSoup.
- Applied VADER, Text Blob and Bert sentiment analysis, achieving an 94 percent Accuracy

Chat bot for Customer Support | Gen Ai

- Developed an AI chat bot using Hugging Face Transformers and deployed on Stream lit.
- Trained with Albert-based embeddings for accurate customer query responses.
- Integrated with OPEN-AI API for real-time user interactions.

Electricity Billing System | Java

- Engineered a comprehensive Electricity Billing System using Java programming language.
- Implemented features for managing multiple user records, calculating electricity consumption, and generating accurate billing details.
- Utilized Java Swing framework to create a user-friendly graphical interface, enhancing usability and user experience.

Technical Skills

Programming Languages: Python (Pandas, NumPy, Scikit-Learn, TensorFlow, PyTorch), C++, Java, Dart

Machine Learning and NLP: Model Deployment (Flask, Streamlit), Sentiment Analysis, Embeddings (Word2Vec, BERT), Hugging Face, OpenAI API

Data Analytics and BI Tools: Power BI, SQL, Pandas, Matplotlib, Seaborn

Certifications

- **Data Analysis and Visualization with Power BI** – Coursera [Verify]
- **Python for Data Science, AI Development** – IBM [Verify]
- **Stanford University's Code in Place** – Stanford's CS106A Programming Methodologies