

EDUCATION

Forman Christian College University: Bachelors of Science in Computer Science

September 2017 — February 2022

Relevant Courses: Advanced Machine Learning, Data Mining and Warehousing, Artificial Intelligence, Database Systems, Compiler Construction, Information Security, Software Engineering, Data Structures and Algorithms

EXPERIENCE

Software Engineer

March 2022 — Present

Devflowv

Lahore

- Utilization of strategic engineering procedures to construct CRUD and CRM for efficient usage.
- Designed and executed multiple customer resolution management tools via React and Angular for pixel perfect Front-End.
- Efficiently deployed and integrated software engineered practices with team and updated integration/deployment scripts to improve continuous integration practices.
- Using Docker and Virtual Machines to maintain multiple applications for quick and efficient use.

Customer Service Executive

September 2021 — February 2022

lbex

Lahore

- Handling the customers claims for the new Walmart's beta application which has integrated all general merchandise and grocery together into a single platform. The claims dealt with include fraud, refunds, replacements, troubleshooting and tracking of their orders.

Teaching Assistant

August 2021 — September 2021

CSCS 455 Data Mining and Warehousing

Forman Christian College University

- Handling and execution of grading components of 30+ students.

Game Development(Intern)

August 2020 — September 2020

Mindstorm Studios

Lahore

- A thirty days internship that provided us platform to learn from mentors that specialize ranging from graphics, physics, AI and executioners.
- Developed an endless runner game using Unity game engine with a time frame of 2 weeks.

PROJECTS

Customer Segmentation using k-modes

- The project involved was to implement K-modes to provide results for prediction of categorical data that was manually created based on their choice of payments, preference of payment, type of shopping and gender.

Hate Speech Detection in Roman Urdu

- The data set was created manually by scraping 30000 tweets searching through trends that invoked the most hate. The duplicate tweets were removed and the rest were cleaned by using Regular Expressions. The final cleaned Data set was of 5000 tweets.
- The 5000 tweets had spelling variations due to the subjective nature of an individuals use. Word cloud was used to highlight the most commonly used variation of a word and substituted with other variations in the Data set manually.
- Using Naive Bayes, Logistic Regression, Support Vector Machine(SVM) and Long Short Term Memory models to detect hate in Roman Urdu in three categories in gender, religious and political. SVM outperformed each of the other models by providing 81 percent accuracy.

Twitter Sentiment Analysis

- Analysing sentiment of positive or negative using manually created Naive Bayes Algorithm on data set of English Tweets. The data set consisted of 10,000 tweets taken from kaggle.com.

CERTIFICATES

Neural Network and Deep Learning by DeepLearning.AI

- Familiarisation with the significant technological trends driving the rise of deep learning; build, train, and apply fully connected deep neural networks; implement efficient neural networks, identifying key parameters in a neural network's architecture and apply deep learning to your different applications.

TECHNICAL SKILLS

Languages Python, C/C#, Java, Assembly, R, JavaScript, MySQL, Mongo, PostgreSQL, GraphQL

Tools/Libraries Pandas, Numpy, PyTorch, Tensorflow, Keras, Colab, Unity, MATLAB, Regular Expressions(RE), OpenCV, Power BI, React, Angular, Node, Docker

ACHIEVEMENTS & AWARDS

2021 Roll of honour in Parliamentary Debating
2021 Semi-Finals Judge International Debate Tournament Nepal
2021 Finals Chair International Debate Tournament of Cambodia (CAMPSDA)
2021 Semi-Finalist - English Parliamentary Debate Tournament, Blackstone School of Law
2021 Semi-Finalist - Kinnaird College Debate Championship, Kinnaird College
2020 Semi-Finalist - English Parliamentary Debate Tournament, Institute of Southern Punjab
2019 Semi-Finalist - English Parliamentary Debate Tournament, FAST Nukes
2019 Semi-Finalist - English Parliamentary Debate Tournament, Khyber Medical College Peshawar
2019 Semi-Finalist - Parliamentary Debate Tournament, University of Engineering and Technology
2018 Finalist - Dameer - English Parliamentary Debate Tournament, Lahore Ameer-ud-Din Medical College
2018 Quarter-Finalist - English Parliamentary Debate Tournament, LUMS