




Rana Wahaj Ahmed

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EDUCATION

Fast Nuces, Karachi

Bachelor's in Computer Science

Sept 2021 - Present

Current GPA: 3.79/4.0

DJ Science College

Intermediate with karachi board

Sept 2019 - July 2021

Percentage: 94.5/100

Fazaia Inter College

Matriculation with federal board

March 2014 - April 2019

Percentage: 92.3/100

COURSEWORK

Courses: Object-Oriented Programming, Data Structures & Algorithms, Operating Systems, Parallel and Distributive Computing, Computer Networks, Information Retrieval, Artificial Intelligence, Discrete Math, Linear Algebra, Calculus, Physics, Probability & Statistics

Awards: Dean's Honor List (for 6 semesters)

SKILLS

Languages: Dart, C/C++/C, Python, HTML/CSS, L^AT_EX

Tools: Git/GitHub, Unix Shell, VS Code, Jupyter Notebook/google Colab, Virtual Machines

Frameworks: Flutter Application Development, React Native, Angular 17, Firebase

Libraries: NumPy, Pandas, Matplotlib, nltk, sklearn, OpenMP, Pthread, MPI

Soft Skills: Teaching, Communication, Leadership, Problem Solving, Time Management, Multilingual (Urdu, English)

EXPERIENCE

Pakistan International Airline (PIA) | *Software Engineering Intern*

June 2024

- During internship developed a React Native app for PIA's cannibalization process with features like security and push notifications, improving efficiency and accuracy.

PROJECTS

Cannibalization Application | *React Native*

June 2024

- Developed a React Native app for PIA's cannibalization process with features like security and push notifications, improving efficiency and accuracy.

Food Donation system | *Flutter, Dart, Firebase, VS Code*

April - May 2024

- One platform for all organizations and donor. Get hands on experience of using advance widgets and firebase configurations.

Vector Space Model | *Python, Big Data, Vectors*

March - April 2024

- Developed a Vector Space Model project in Python, utilizing cosine similarity to quantify document similarity and enhance information retrieval accuracy.

Text Classification and Clustering | *Python, Big Data, sklearn, nltk*

February - March 2024

- Developed Python projects on text classification and clustering using KNN and KMeans algorithms. Evaluated results using various evaluation metrics to ensure model effectiveness.

Inventory Management for Mobile Store | *Angular 17*

November - December 2023

- Built an Angular-based inventory system for an online mobile accessory store, featuring real-time updates and low stock alerts to enhance efficiency.