

MUHAMMAD SHAHEER AHMAD

Software Engineering Undergraduate

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EXPERIENCE

Intern Developer

AVIONICS SOLUTION

July 2022 – Aug 2022 Islamabad, Pakistan

- Developed a console-based application to retrieve data from a sensor in HEX format and display it in human-readable tabular form to allow for analysis.
- Implemented a system that maintained log files of the tabular data to allow for review and analysis.
- Continued progress of existing code to expand the application.

PROJECTS

MERN E-commerce Website | *MongoDB, Express, React, Node, Redux*

- Developed a fully functional web application that allowed users to buy and sell products.
- Used JWT tokens to ensure secure user authentication.
- Provided secure routing for admin and secure operations.
- Implemented an admin feature, that allows sellers to perform CRUD operations on their own products.

IMDB Clone | *Python, Django, PostgreSQL*

- Developed a full-stack web application that replicated the use of IMDB using Python and Django.
- Implemented multiple dynamic web pages.
- Allowed filtering options upon search.

Lumina | *Python, Streamlit, AssemblyAI, Clarifai*

- Developed a web application that takes a YouTube URL from the user for an educational video, and generates MCQ-based test, with automatic evaluation.
- Used AssemblyAI to transcribe the YouTube video for quiz generation context.
- Used Clarifai to integrate GPT 4 model with the app.

POS Billing System | *Java, Swing, MySQL*

- Developed a desktop application that mimics the workflow of a billing procedure that is commercially applicable.
- Included an admin portal to view the current status of inventory and other statistics.
- Implemented feature of receipt generation.

Cargo Management System | *C++*

- Developed a console application that acts as a middleman between suppliers and local businesses for products.
- Included a dynamic search feature to easily search for products at suppliers' end.
- Implemented feature of receipt generation.
- Used extensive file handling to maintain inventories and accounts databases.

Hangman Game | *C++*

- Developed a console application for the hangman game.
- Implemented couch multiplayer and against-computer modes.
- Used file handling to maintain a dictionary of words.
- Provided custom theme options for the user.

STRENGTHS

Object Oriented Programming

Algorithms

SQL

Back-end

Graphic Designing

Unit Testing

EDUCATION

Bahria University Islamabad Campus

Bachelor of Software Engineering

Aug 2020 – Present

- CGPA: 3.86

The City School Capital Campus

A-Levels

Aug 2018 – May 2020

- Grades: 3 Bs, 1C

TECHNICAL SKILLS

C/C++

JAVA

C#

SQL

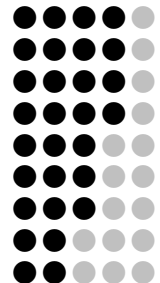
PYTHON

HTML/CSS

JAVASCRIPT

REACT

DJANGO



CO-CURRICULAR WORK

- Software Society | General Secretary
- IEEE CS Chapter | General Secretary
- MUNiC 12 | Director IT