

AZHAR ALI

Hyderabad, Sindh, Pakistan

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EDUCATION

Bachelor of Software Engineering | Mehran University Of Eng. and Technology | Jamshoro, Sindh | 3.20/4 CGPA 2025
12th | **B.I.S.E Larkana** | GOVT. Degree College Larkana | | 88.36 AGGREGATE 2021

Technical Skills

- **Technical Skills** : DSA, Computer Networks, Operating Systems, Distributed Systems, DBMS, SDLC, OOP,
- **Languages** : Java, Python, JavaScript, PHP, HTML/CSS.
- **Frameworks/Runtime Environment** : Django, Express.js, Node.js.
- **Developer Tools** : VS Code, Eclipse, AWS Cloud, Google Cloud, Git, Android Studio.

WORK EXPERIENCE

Back-end developer Intern - AgriClik

February 2024 - April 2025

Onsite - Jamshoro, Sindh, Pakistan

- **Developed** secure and reusable RESTful APIs using **Node.js** and **Express**, ensuring scalability and maintainability.
- **Implemented** efficient database schemas and queries with **MongoDB** and **PostgreSQL**, optimizing data storage and retrieval.
- Built authentication and authorization modules using **JWT**, enhancing application security and access control.
- **Collaborated** with frontend developers to design API endpoints and ensure seamless client-server communication.
- Optimized server performance and ensured cross-platform compatibility, improving application reliability.
- **Worked on data validation and error handling**, ensuring accurate and consistent data flow across services.

Web Developer Intern - NFTP

November 2022 - March 2023

Onsite -Jamshoro, Sindh, Pakistan

- **Developed** multiple responsive pages and registration forms using **HTML, CSS, JavaScript, and React**.
- **Contributed** to intuitive employee dashboard designs using Bootstrap and React, improving navigation and reducing design iteration time **by 25%**.
- Created dynamic e-commerce features, including product catalogs and cart functionality, streamlining the shopping experience.
- Handle the Database and created a responsive front-end using **HTML, CSS and JavaScript**.
- **Optimized database** connectivity with **PHP** and **SQL**, boosting query efficiency and reducing response time **by 30%**.

PROJECTS

HydroScan – Final Year Project (Thesis & Project)

2025

- **Developed** a satellite imagery–based system for monitoring puddles and sinkholes using machine learning and ensemble models.
- **Performed** exploratory data analysis (EDA), feature engineering, and model evaluation to ensure accurate prediction and detection.
- **Technology Stack**: Python, TensorFlow, Scikit-learn, OpenCV, NumPy, Matplotlib

Heart Disease Prediction – Personal Practice Project

2025

- **Built** a classification model to predict the likelihood of heart disease using patient health records.
- **Applied** data cleaning, feature engineering, and ML models including Logistic Regression, Random Forest, and SVM.
- **Technology Stack**: Python, Pandas, Scikit-learn, NumPy

Insurance Cost Prediction – Personal Project

2024

- **Built** a regression model to predict individual medical insurance costs based on demographic and health factors.
- **Applied** data cleaning, preprocessing, and regression algorithms to generate accurate predictions.
- **Technology Stack**: Python, Pandas, NumPy, Scikit-learn

DSA Problem-Based Learning (PBL) – Semester Project

2023

- **Implemented** fundamental data structures including Stack, Queue, and Binary Trees in Java.
- **Designed** and tested algorithms for efficient data handling and problem solving.
- **Technology Stack**: Java, OOP, Data Structures & Algorithms

Extracurricular Activities/Leadership Roles

- **Beta MLSA** : Microsoft Learn Student Ambassadors.
- **Technical Coordinator** : AWS Cloud Clubs MUET.
- **Operations & Logistics Team**: PM's Green Youth Movement Club MUET.