

# Abdullah Imtiaz

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## EDUCATION

**NED University of Engineering and Technology (NED)**

Karachi, PK. October 2018 – October 2022

*Bachelor of Engineering in Electronics Engineering*

CGPA: 3.142 / 4.0

**Presidential Initiative for AI & Computing (PIAIC)**

Karachi, PK. June 2020 – June 2022

*Artificial Intelligence and Computing*

## WORK & LEADERSHIP EXPERIENCE

**NCAI-NEDuet (Research Assistant)**

Karachi, PK. November 2022 – February 2023

- Formulated Driver Monitoring System, based on YOLOv5 architecture and deployed on Jetson Xavier, while leading and guiding 10 undergrad interns to computer vision and edge devices, making these undergrads able to work with cutting edge technologies.
- Expedited the project outcome by 10 times by encouraging and assigning project tasks to interns.
- Revamped and fixed multiple case scenarios of hardware interfacing and internet connectivity issues to have an uninterrupted experience, enhancing the product to be 95% more appealing to the client.
- Restructured a previously built jQuery and Flask based dashboard with 7 key insights about drivers, resulting in 8 times more engaging and insightful dashboard.
- Solved lagging problems caused by internet connectivity with optimized code and made user experience smooth by 20 times.

**Bleed AI (Computer Vision Intern)**

Karachi, PK. December 2022 – December 2022

- Created an Intruder Detection System capable of accessing IP camera by employing the power of Python, OpenCV, and Deep learning methods, incorporating a functionality of default along with user-chosen ROI, improving user-experience by 30%.

**Futurealiti (Computer Vision Intern)**

Karachi, PK. April 2022 – July 2022

- Developed a smoker detector with an alert system, contributing to make the company environment 50% more healthy and reducing in-house pollution by 40%.

## PROJECTS

- **FYP:** Designed autonomous system for Shabbir Tiles (House of Habib) for tiles' defects detection and sorting and deployed on raspberry Pi, lowering human effort by 50%.
- Explored 937 entries of London's Travel Network data focused on JOURNEY table with SQL, loaded in Snowflake database.
- Analyzed International Debt Statistics of the data provided by World Bank with SQL
- Built a Regression Model on 600 movies data by Disney to predict Box Office Success with Python
- Found out what and where are the world's oldest businesses with SQL by analyzing the data containing 3 tables shared by BusinessFinancing.co.uk

## CERTIFICATIONS

- **Google Business Intelligence Professional Certificate** (Coursera)
- **Data Engineer Career Track** (DataCamp)
- **SQL Fundamentals Skill Track** (DataCamp)
- **Azure AI Fundamentals** (Microsoft)
- **AWS ML Foundations** (AWS X Udacity)

## SKILLS & COMPETENCIES

- **Programming and Data Skills:** Python, SQL, Statistical analysis, Data Manipulation, Data Visualization, Computer Vision.
- **Concepts and Tools Familiarity:** Databases, ETL pipelines, Business Intelligence, Excel, Data Structures and Algorithms, Object Oriented Programming.