

Zohair Abbas

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EDUCATION

Institute of Business Administration, Karachi

Aug 19 - Present

- B.S. Computer Science
- Related Coursework: Data Mining, Computer Vision, Business Intelligence, Artificial Intelligence, Competitive Programming, Data Structures, Design and Analysis of Algorithms

WORK EXPERIENCE

AI Apprentice | Folio3 Software

June 22 – July 22

- Developed a Computer Vision based Automated Number Plate Detection System to detect Traffic Signals violation and Ticketless Parking
- Followed best industrial practices to build an end-to-end Machine Learning Pipeline
- Built a user-friendly and minimal interface for the good User-Experience

Research Assistant | IBA, Karachi

Sep 21 – Jan 22

- Assisted a Ph.D. Scholar to complete a research based on **The Communication barriers between Doctors and Patients**
- Implemented a Health-Tech solution in Child Occupational Therapy Centre
- Trained more than **20** Parents and Therapists to manage virtual therapy sessions effectively

PROJECTS

Real-Time Number Plate Detection – Python | Tensorflow | Pytorch | OpenCV | Fast-API

- Trained a Deep Learning model to detect Number Plate of a vehicle in real-time and extract the text out of it using different OCR techniques
- Used HTML/CSS to serve Frontend and FAST-API to serve Backend for the application

Analysis On Diabetes Health Indicators – Python | Scikit-Learn | Pandas | Seaborn

- Analyzed the dataset of Diabetes patients and figured out the most contributing factors for disease
- Analysis facilitated to optimize the existing survey questionnaire for the patients

Attendance Using Facial Recognition – Python | OpenCV

- Developed an Attendance System using real-time Facial Recognition with Python and OpenCV

SKILLS & TOOLS

Web Development: HTML, CSS, Bootstrap, JavaScript, Node.js, React.js, MongoDB

Machine Learning: Python, Pandas, Seaborn, Scikit-learn

Data Analysis: PowerBI, Tableau, Excel, SQL

Deep Learning & Computer Vision: Tensorflow, OpenCV, PyTorch, Keras