HAIDER ANEES

PYTHON/DJANGO DEVELOPER

SUMMARY

Around 1.5 years experience as a Software Engineer and Python Developer. Having an experience in IOT Automation, RESTful API and Python Django web frame work in implementing MVT architecture.

CAREER HISTORY

Software Engineer

Tower Technologies PVT LTD.
- Serves as a Python/Django Developer and IOT Engineer in 5 ongoing projects
- October 2019 – Onward

MAIN INTERESTS

- ✓ Data Science
- ✓ Machine Learning
- ✓ Web Development
- ✓ Travelling
- ✓ Image Processing
- ✓ Application Development
- ✓ Databases

REACH ME AT

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ACADEMIC HISTORY

University Of Central Punjab

Bachelors of Computer Science
- 2015 – 2019

Punjab Group Of Colleges

Intermediate
- 2013 – 2015

TECHNICAL SKILLS

- ★ **Software:** *Visual Studio, Matlab, Android Studio, VS Code, Pycharm, Tkinter, Kivy, Anaconda, Postman API, Azure IOT Hub*
- ★ **Programming languages:** *Java, C++, C, MySQL, Python, HTML/CSS, JavaScript*
- ★ Django/Django REST Framework
- ★ Arduino Automation
- ★ Raspberry pi
- ★ Postgresql, SQLite
- ★ Microsoft Azure
- ★ Linux Server
- ★ RESTful API
- ★ Internet Of Things

PROFESSIONAL PROJECTS

- ★ **Zerocarbon**
  An initiative of the Punjab Group, Zero Carbon is Pakistan's first renewable energy company dedicated to combat climate change through the provision of clean, reliable and resilient energy solutions and to accelerate the transition of the country into a low carbon economy.

  Features:
  - Django based project with RESTful APIs.
  - Automated Solar Plants.
  - Fully controlled system through mobile application.
  - Comes with Web, Android and iOS application.

- ★ **Ride With Pride**
  As an effort to empower women, University Of Central Punjab is providing a reliable and affordable travel option for females by introducing scooties!

These scooties are accessible through a mobile app which can facilitate in many ways. Each scootie can be accessed by logging into the app using UCP student portal credentials. Once verified manually, you will be able to issue the scootie by scanning the QR code assigned to a particular scootie.

Features:
- Django based project with RESTful APIs
- Fully automated scooty stand
- Raspberry pi, Arduino UNO, RFID, IR, Ultrasonic and many other sensors are used.
- Image Processing and Character Segmentation to recognize license plates number from live stream Pi-Cam Video.
- Comes with Android and iOS application.

★ **Glaukus**
Glaukus as the world's first ever detecting app, has been designed with the modern aqua detecting sensor facility. A new aqua experience for all!

Features:
- The app has been designed specifically for aqua culture that has an IOT. technology to monitor Fish and Shrimps ponds.
- It indicates dissolved oxygen (DO), Nitrate PH and Ammonia levels in the water.
- It provides alerts facility.
- All the Sensors are attached to an analyzer in the form a boat that has a function for calibration, data collection, and user alerts.
- Fully automated Fish Pond.
- Django Based Backend with RESTful APIs.
- Fully controlled system through mobile application.
- DO, PH, Ammonia, Arduino UNO, Arduino Mega, Raspberry pi, ESP32, Ultrasonic, IR and many sensors are used.
- Comes with Web, Android and iOS application.

★ **PeopleOps - HRMS**
People OPS is an HRMS application designed for Punjab Group, is a comprehensive software that integrates core and strategic HR functions into one solution. It typically features an employee self-service portal and a centralized database. It also automates administrative processes, streamlines recruiting and reduces turnover.

- Django based project with RESTful APIs
- Comes with Web, Android and iOS application.

ACADEMIC PROJECTS

★ **P2P Ledger for Academic Records - FYP**
Developed a Student Portal based on blockchain
• Combination of Ethereum, Node.js, HTML and CSS.
• Portal where all the academic records are saved for ever with the techniques of cryptography.
• Can authenticate the certificate if it is original or fake.
• Can access data anywhere by scanning a QR Code with a Special Card or by a private key, no worry to bring degrees and certificates anymore.

★ **Image Editor**
Fall 2015
• Image Blurring
• Image Cropping
• Image Sharpening
• Image Bordering
• Image Resizing

★ **Grade Calculator**
Fall 2017
Java based project, in which students can calculate their grades.

★ **Online Quiz System**
Spring 2016
C++ OOP based project in which student can attempt quizzes.

★ **Clone of Notepad**
Fall 2016
C++ based project, Doubly linked lists were used to store strings.

★ **Brain Tumor Size Detector**
Fall 2018
Matlab based project, the process of identifying size of brain tumors through MRI images using erosion and dilation algorithms.

★ **Library Management System**
Spring 2018
Web based project combination of html, JavaScript and CSS.