

ADIL KHAN

Python Developer



Background

- 3+ years of experience in Python development, Website/Web-apps development and Mobile app development.
- Designed the Web application and APIs Using Python on Django Web Framework pattern to make it extensible and flexible.
- Used the Model View Template (MVT) framework to build modular and maintainable applications.
- Exposure in building all database mapping classes using Django models with the help of Object-relational mapping (ORM) like SQLAlchemy.
- Building reusable code and libraries for future use.
- API integration That takes pdf as input and returns MCQ with the option, correct answer, and marks in the database
- Designed and developed REST web services.
- Developed effective, scalable applications by using Django framework
- Build all database mapping classes using Django models with the help of ORM like SQLAlchemy.
- Maintained and improved the security level of data.
- Exposure in Agile model by using Jira.

Functional Expertise

- Application Development
- Design Patterns
- Python, Django
- RestAPI and Docker
- Git, Github, Gitlab and Bitbucket

Industry Expertise

- Banking and Finance
- Construction
- Energy and Utilities
- Food and Delivery
- E-Commerce
- Retail and eCommerce
- Tourism and Hospitality

Education

- B.Tech in Computer Science



Select Assignments Executed

Drought prediction -This project is based on data of past 100 years to predict upcoming drought with some formula based calculations and conditions

- [Languages/ Environments](#): Python, Django Framework

Data crawler - Able to search sentences with reference of two words that should be in that sentence from any text file or any portable document format.

- [Languages/ Environments](#): Python, Django Framework

Biometric Face-Recognition -Able to recognise faces with one camera without any sensors , it's accuracy level is 90%.

- [Languages/ Environments](#): Python, Django

Heart Analysis -Able to process heartbeat audio fetched from an electronic stethoscope and create graphs representing all values such as high/low peaks value, number of high/low peaks, average distance and decibel value.

- [Languages/ Environments](#): Django, Python

E-Vigilator - Able to mark attendance using face recognition and keep a track of head and eyes movements.

- [Languages/ Environments](#): React Native, Cross Platform for Android, iOS App

System monitoring - Able to get all tab names from the user system and maintain it in the database to monitor what an employee is working on for their skill upliftment.

- [Languages/ Environments](#): Python, Django

Select Assignments Executed

PPE kit tracking -Based on IP camera's and text recognition, Able to fetch printed code from the back of PPE kit is used to monitor whether an allotted staff member is going to a patient's bed or not.

- [Languages/ Environments](#): Python, Django

Dr Robo -Developing this project with reference of covid 19 (to avoid and minimize physical contact of patient and machine). This project is getting developed with having full vocal input from patients and showing them regarding problems according to what the patient tells and providing them prescriptions according to that.

- [Languages/ Environments](#): Python, Django

Sanstha ERP(<https://bgi.sansthaa.org/>) -This project is for maintaining attendance of students and faculty, personal details, leaves, holidays ,visitors(Admission purpose), enquiries ,etc.

- [Languages/ Environments](#): Python, Django

Technology Expertise

- Programming Language - Python, Django, Rest Api, Docker, HTML5, JavaScript
- Databases - MySQL,SQL Server
- Operating System - Windows and Linux
- Source control - Python 3.x, Django 3.x
- Third Parties - Facebook, Twitter, Google+