Ali Shahram Musavi

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Technical Expertise

- **Database:** MongoDB | Amazon Dynamo DB | MySQL | SQLite
- **Programming:** Python (Numpy, Pandas, TensorFlow, Scikit-learn, Flask, Django) | Java | | HTML5 | CSS3 | SQL | Rest APIs | Bash/Shell
- **Operating Systems:** Linux | Windows

Experience

Software Developer, *Kabul University*- Kabul, Afghanistan **June 2018 - Present**

- Engineered and maintained new features for Kabul University's Learning Management System (LMS), enhancing access for over 20 thousand members
- Improved the user interface, user experience and interactivity of the platform using HTML, CSS and JavaScript and integrated Bootstrap to the existing codebase
- Implemented new APIs and managed the website's interaction with MySQL database, improving the retrieval, storage and manipulation of information
- Enabled continuous deployment, designed automated framework, and led a group of three developers to implement a web application using Python and Django to access course materials online

Founder and CEO, *Easy Connect*- Richmond, IN **July 2017 – Present**

- Implemented RESTful API with Serverless framework using Dynamo DB and Amazon AWS Lambda to store passenger data i.e., account balance and ridership
- Learned independently new concepts such as Square and Google APIs and worked closely with two software developers to implement payment platform and online tracking system using Python for seven vehicles
- Led a team of four developers, identified passenger and driver needs and implemented Easy Connect bus driver and customer mobile applications for IOS and Android
- Increased ridership by 40% and generated additional $300 thousand in yearly revenue, as the projected numbers from the City of Richmond predict

Software Engineer Intern, *Green Tech Construction and Engineering*- Kabul, Afghanistan **May-July 2018**

- Collaborated with a team of eight to develop a software package using Java and Python for the feasibility study of a railway project for the ministry of Public Affairs committing to a strict timeline
- Created a visualization tool using the Bokeh Python package and IPython, helping engineers to measure and analyze the impact of the change in water pressure, and height for a hydropower project
- Maintained and improved connection to SQL, PostgreSQL, and SQL Server using Python
- Documented and implemented unit and integration testing for several projects reporting regularly to supervisor

Projects

A Self-service System using RFID, Senior Project- Earlham College

- Designed and implemented a RFID based self-service system for Hopper STEM library at Earlham College used by over 1500 students enhancing time efficiency, security and inventory
- Built a web application using JavaScript, HTML and CSS, providing a platform for the administrator to monitor check-in/out and user information
- Implemented a REST API for MySQL database, and automated the process to update, retrieve and create items by the RFID reader

Airport Mapper, Functional Programming Project- Earlham College

- Implemented a python based interactive application using Flask to visualize connecting flights between airports
- Designed a user-friendly GUI using Python Tkinter to get the input from the user
- Analyzed and manipulated CSV input file using Pandas to weight distance between airports

Education

B.A.: Computer Science and Economics, *Earlham College*- Richmond, IN **Expected May 2019**