MOHAMMED SAUBAN MUSSADDIQUE

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SUMMARY

Computer Science Grad student at Arizona State University. Over two years of full stack web development experience. Actively seeking job opportunities as a Data Scientist/Software Developer.

EDUCATION

MS, Computer Science — Graduating May 2021
Arizona State University, Tempe, AZ — 3.44 GPA

Bachelor of Engineering, Computer Science and Engineering — May 2017
PES Institute of Technology, Bangalore, India — 8.66/10 GPA

TECHNICAL SKILLS

Data Science: PyTorch, TensorFlow, Keras, MATLAB, NumPy, Pandas
Programming: Python, Ruby, JavaScript, C, C++, Java
Web Development: Ruby on Rails, AngularJS, JQuery, HTML, CSS
Misc.: MYSQL, Git, Bash, MS Excel, Docker

ACADEMIC PROJECTS

ASU, Paraphrase Identification on PAWS dataset. — Spring 2020
- Developed an NLP model to identify paraphrases, on a dataset containing sentence pairs with high lexical overlap.
- Achieved an accuracy of 92% using a BERT based model. Explored alternate models like a KNN based model and a BERT sentence embedding model.

Tools and Technology: *PyTorch, BERT, KNN, Transformers.*

ASU, Decentralized Emotion Detection Model using Federated Learning. — Spring 2020
- Designed a federated learning model for Emotion detection to run in decentralized edge devices.

Tools and Technology: *PyTorch, PySyft, CNN, Transfer Learning, Federated Learning.*

ASU, Cardiac Risk Stratification — Fall 2019
- Automated the Carotid Intima Media Thickness (CIMT) measurement to stratify the risk of Cardiovascular diseases.
- Adapted an Active contour model variant called as Dual Snakes to delineate the Intima Media layers.

Tools and Technology: *MATLAB, Image Processing, Active Contour Models.*

ASU, Image Caption Generation — Fall 2019
- Generation of natural language textual description of Images.

Tools and Technology: *Python, Tensorflow, CNN, LSTM.*

PROFESSIONAL EXPERIENCE

Infibeam Avenues, Bangalore, India: Software Developer — 5/2017 – 6/2019
- Developer on buildabazaar.com, a SaaS platform to create personalized Ecommerce websites.
- Worked as a Full Stack Developer with exposure to end to end product development, from design to testing.
- Development and integration of new Modules and Plugins to the Platform. E.g.: Integration of services like Payment Gateways, Analytics tools to the Platform.
- Implemented Quality and Cost Based Selection (QCBS) and other modules for a Product/Service Bidding system.

Tools and Technology: *Ruby on Rails, AngularJS, Javascript, Git, SQL.*

Infibeam Avenues, Bangalore, India: Software Consultant — 7/2019 – 8/2019
- Coordinated with the customer service team to develop and integrate client specific plugins for the E-Commerce sites in buildabazaar.com

Infibeam Avenues, Bangalore, India: Software Developer Intern — 1/2017 – 4/2017
- Built a platform to automate the creation of hybrid mobile apps for online stores using which, users can carve out personalized hybrid apps for all the major mobile operating systems.