DARSHIT SHAH

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PROFILE

3+ years of professional software development experience of web applications including front-end and back-end.

- Good understanding of Web, and Mobile App application development, Amazon Web Services (AWS)
- Hands-on complex application development including requirement gathering, design and implementation

EDUCATION

M.S., Computer Science; California State University, Dominguez Hills; CA; **May 2019**   **Overall GPA: 4.0/4.0**

B.E., Electronics & Communication; Gujarat Technological University; Gujarat, India

SKILLS

Languages: Java, Python, JavaScript, C++, Bootstrap 4

Tools: Eclipse IDE, NetBeans, IntelliJ IDEA, PyCharm, Android Studio, Git, Tortoise SVN, Basecamp, Trello

Database: MySQL, PostgreSQL

Servers: Oracle Weblogic, JBoss EAP

SQL Tools: PL/SQL Developer, MySQL, PgAdmin, Squirrel

WORK EXPERIENCE

Web Developer   **February 2019 – Present**

California State University, Dominguez Hills (CSUDH), Carson, CA

- Developing website using Bootstrap framework for Computer Science Department under the leadership of department chair "Dr. Mohsen Beheshti" and Professor "Dr. Alireza Izaddoost".

Tech Fellow   **August 2018 – Present**

Codepath.org – Non-profit organization

- Tech Fellow for iOS class of Codepath offered at CSUDH. Teaching iOS development along with real-time projects to students.

Graduate Teaching Assistant   **January 2018 – Present**

CSUDH, Carson, CA

- Teaching Assistant for Java, Data Structures, Algorithms, Computer Organization courses at CSUDH

Software Development Engineer   **March 2014 – August 2017**

Tata Consultancy Services: Gandhinagar, Gujarat, India

- Agile Methodology was used, and involved in all phases of Software Development Life Cycle (SDLC)
- Front-end was developed using JSP, Hibernate, Spring, CSS, HTML while back-end was in Java, PostgreSQL, Spring, and ZK Framework. Materialized view was used for querying the data from millions of records
- Deployment was done using Jenkins as different environments were set-up for fault-tolerant purpose
- Application on documenting selling/buying properties with huge amount of transactions and real-time update
- Revenue was boosted by **11%** per month by new system in the state (https://tnreginet.gov.in/portal/)

PROJECTS

Analysis of Deep Learning Frameworks (Class)   **Fall 2018**

- Implemented Artificial Neural Networks, and CNN using different deep learning frameworks
- Frameworks: TensorFlow, Keras, Chainer, PyTorch; Analysis Criteria: Accuracy, Loss, Epochs, Execution time
- Datasets used random number generation, MNIST; Libraries: Cupy, Numpy, Scikit-Learn, and Matplotlib

Emergency Blood Required App (Class)   **Fall 2017**

- Developed android application to send notification in one trigger to people compatible blood type to the needy
- Tasks include: writing of the SRS-to-delivery of the application using Agile Methodology. Delivered the functionalities in two weeks of sprints
- Android studios for development of UI and backend, Firebase for database, and notification, and Node.js for server

Wireless Sensor Network with Graphical Representation (Class)   **Fall 2017**

- Implemented wireless sensor network in java and determined the network connectivity with DFS algorithm
- Transmitted data packets from data generator sensors to data storage sensors with minimal energy using Kruskal's algorithm. Graphical representation with Jfreechart library

Android Apps: Stopwatch Timer App, and Brain Trainer App (Personal) **Fall 2017**

- Developed timer app which can be used as stop watch; Brain trainer is a game to test addition capability without using calculator in 30 seconds

CERTIFICATIONS & AWARDS

HENAAC Conference – Google Technical Challenge Winner (1st Place out of 30 Teams**)**   **Fall 2018**

Python Specialization (University of Michigan)   **Summer 2018**

Top Ranker Certificate - Gujarat Technological University (1st place out of 10,000 people)   **January 2014**