

FARAAZ AHMED

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Objective

Dedicated and highly motivated individual with 2 years of industry experience looking for internship opportunities with a hunger for mastering full stack technologies.

Education

Master of Science in Software Engineering

Aug 2019-May 2021

• San Jose State University • San Jose, CA

Bachelor of Engineering in Information Science

Aug 2013-May 2017

• BVB College of Engineering • Hubli, India

Work Experience

Associate Software Engineer

Robert Bosch Engineering and Business Solutions

Jun 2017-Apr 2019

- Designed and developed enterprise web applications using SAPUI5 framework used for warehouse management.
- Refactored the existing codebase which resulted in improvement of response time by 30%.
- Modularized the code into reusable components thereby decreasing the development time.
- Designed and developed RESTful APIs which followed Open Data protocol (OData).

Technical Projects

Twitter simulation

- Collaborated with a team of 5 to build a replica of Twitter using ReactJS.
- Increased the performance of the system by 15% by caching using Redis.
- Implemented real time messaging feature using Socket IO.
- Created a sharded MongoDB cluster.
- Deployed the application on a distributed system making use of Kafka as the messaging queue for fault tolerance.

Grubhub replication

- Developed replica of online food ordering website Grubhub using ReactJS and redux.
- Designed RESTful backend server using ExpressJS.
- Decreased the response time of the application by 9% by utilizing SQL connection pooling.
- Performed load testing using JMeter.
- Dockerized the web application and deployed it on AWS.

Facial Emotion Recognition

- Built an emotion recognition system that classifies the emotion displayed by the person in the image into happy, angry, sad, neutral, surprise, disgust or fear.
- Extracted SIFT features from the images to form the feature vector.
- Used Keras to build the Convolutional Neural Network.
- Trained the model on FER-2013 dataset.

Technical Skills

- Java; JavaScript; React.js; Node.js; Redux; Redis; Python; Flask; MySQL; MongoDB; Android; C; C++;
- AWS; EC2; ECR; Docker; Kafka; Git; HTML; CSS; Bootstrap; XML; JSON; MVC; RDBMS; NoSQL;
- OpenCV; Keras; TensorFlow; scikit-learn; Pandas; Web-scraping;
- Eclipse; Android Studio; Visual studio code; NetBeans; Code Blocks; Windows; MAC; Unix; Linux;