AUSAF AHMED

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SUMMARY

Graduate student, specializing in enterprise software development stack and data science. Backed with 2+ years of professional experience and proven ability to deliver high performance, impactful, data-driven applications with quality code.

EDUCATION

San Jose State University   San Jose, CA
Master of Science in Computer Engineering, GPA: 3.8   Aug 2018 – May 2020
Relevant Courses: Object-Oriented Programming & Design, System Software, Operating Systems, Computer Architecture, Data Structures and Algorithms, Data Mining, Machine Learning, Big Data Engineering & Analytics

Jaypee Institute of Information Technology
Bachelor of Technology in Electronics and Communication Engineering, GPA: 3.7   Jul 2012 – Jul 2016

EXPERIENCE

Fenix International   San Francisco, CA
Engineering Intern   Sept 2019 – Present
- Automating end-to-end product testing experience as part of the Research and Development team.
- Developing a test platform backed by OpenHTF to provide deeper and meaningful insights into 80+ test scenarios.

Verizon Media   Sunnyvale, CA
Software Engineering Intern   May 2019 – Aug 2019
- Accomplished creative segmentation across 1100+ granular categories as per IAB taxonomy using a unified advertising inventory classifier backed by ML-model pipelines.
- Exposed the classifier as a microservice for inventory analysis with creative blocking in the programmatic ad serving workflows.

EdgeVerve, An Infosys' Company   Mumbai, India
Software Engineer   Nov 2016 – Jul 2018
- Empowered banks with a centralized messaging engine to provide multi-channel alerts increasing responsiveness to customer imperatives by ~70%.
- Developed REST APIs for a digital bank and benchmarked it to support 33K concurrent users and 550K transactions in 30 minutes. The bank achieved 1M+ user registrations in the first two weeks itself.
- Optimized SQL scripts to reduce business-critical functionalities and report generation time by 80%.

SKILLS

- **Programming Languages:** Java, Python, C++, JavaScript, HTML5, CSS3
- **Databases:** MySQL, Oracle, MongoDB
- **Data Science:** Hadoop, TensorFlow, Keras, Spark
- **OS and Cloud:** Unix/Linux, Windows, AWS, Docker
- **Tools and Methodologies:** Git, Maven, Jenkins, JAX-RS, Kafka, Agile Development- Scrum and Kanban

ACADEMIC PROJECTS

Fine-Grained Video Suggestion using Contextual Relevance [Java, Python, TensorFlow]   Aug 2019 – Present
A novel approach to extract contextual information from a video across text, image, and audio feature sets, and create metadata with timestamps to provide relevant video suggestions as per the user's search query.

DevConnector [JavaScript, NodeJS, React, Redux, MongoDB]   Jun 2019 – Jul 2019
Social network application for developers built using React for frontend and NodeJS for backend; an authenticated user can create a profile, link Git repositories, view/post comments, and connect with other developers.

MLOps – Machine Learning Operations Template [Flask, Python, Docker]   Feb 2019 – May 2019
A cloud-ready template for exposing ML predictions as RESTful web-service leveraging Python Flask, Docker, more especially with Docker Compose, Nginx as HTTP webserver and uWSGI as an application server.

Elmo – State of the Art Text Classifier [Python, TensorFlow, Keras, Docker]   Sept 2018 – Dec 2018
Addressed language semantics and polysemy in NLP tasks by innovating a state-of-the-art text classifier using contextual representations of a word, thereby achieving a ~5% increase in metrics outperforming existing models.