WADOOD SULTAN

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EDUCATION

California State University - East Bay   Hayward, USA

Master of Science in Computer Science   2018 - 2020

- **Honors**: Google's Developer Students Club Lead, CS Tutor - Student Center for Academic Achievement
- **Relevant Coursework:** Cloud Computing, Internet of Things, Systems Development for Computational Science

SRM Institute of Science and Technology   Chennai, INDIA

Bachelor of Technology in Computer Science   2014 - 2018

- **Honors**: IET Conclave Speaker, Campus Ambassador - VH1, Editor - Official Newspaper, Director SRMV Model UN
- **Coursework**: Neural Network, Pattern Recognition, Decision Support System, Genetic Algorithm, and Machine Learning

WORK & RESEARCH EXPERIENCE

Graduate Teaching Assistant - Web Systems & Computer Vision   Hayward, USA

California State University - East Bay   August 2019 - May 2020

- Employed various classroom management techniques and reflected on instruction through daily journaling.
- Problem solved for each department to maintain timely completion of parts and meet strict deadlines.

Software Developer   San Francisco, USA

Social Glass   May 2019 - August 2020

- Developed on Adobe Magento2 based infrastructure that handled micro-services for Government procurement eCommerce website.
- Worked to solve complex problems using the latest in Cloud, Mobile, and Web Technologies.
- Deployed instances on FTP and client-server protocols to integrate load changes from the cloud to the on-premise website that enhanced the information retrieval time by 90%.
- Utilized markup language techniques of HTML, JavaScript, and CSS tools with industry-specific website application efficiency and optimization.

Software Project Lead - Early Startup Architect   Chennai, INDIA

Bookshelf - Droid Sector   December 2015 - May 2017

- Created measurable benefits for the company, and provided employees with long-lasting tools for growth.
- Mediated in technical design discussions and cross-functional collaboration that minimize maintenance by prioritizing the goals and weekly objectives.
- Took charge of share-holder requirements such as technical specifications, scalability, cost, and budget analysis and fulfilled it with satisfaction and profitability.

Udagram Image Filter: NodeJS web application hosted in AWS Elastic Beanstalk with CI/CD in Git branches using RESTapi, connecting the SQL database with Postbird and added with security authentications using GET and POST methods in Postman.

US Road Traffic Severity Prediction: 3Mn Kaggle Dataset stored in S3 Cloud Storage using AWS SageMaker computing learning model with XGboost, Linear Learners algorithms called by API calls using Lambda in Flask based python web-framework.

Infant Monitoring System: IoT Sensors on Raspberry Pi 3 board interacting by IFTTT using AWS IoT Core MQTT simple server routing to a smartphone using Linux based DebianOS.

Geotagging Website: Google OAuth login based geotagging application using MapBox API in REACT MVC structured JavaScript with MongoDB streaming database hosted on Heroku and Serverless virtualization framework connected to AWS platform.

Facial Expression Recognition System: (*Research Paper*) HAAR Cascade filters, Convoluted Neural Net Algorithm, OpenCV, CK+ Dataset, FisherFaceRecogizer Classifier with Natural Language Processing, coded in Jupyter notebook using Python.

CERTIFICATIONS AND TRAINING

- **Amazon Web Services** Solutions Architect - Associate
- **Hackerrank** Python Certified | **Coursera** Cloud Engineering with Google Professional Certificate
- **Cisco** DevNet Sandbox - Cloud Module | **Redhat** OpenShift Container Platform Training

SKILLS

- **Programming Languages:** (Proficient)Python, C++ || (Familiar) Scala, Java, UNIX Shell, PHP, Git
- **Computing**: Amazon Web Services, Google Cloud, Serverless, Heroku
- **Database**: MySQL, DynamoDB, MongoDB, Cassandra
- **Containers and Software Systems**: Kubernetes, Docker Hub, Hadoop, Kafka, MapReduce, Chef
- **Web Technologies:** HTML, CSS, JavaScript, Node JS, React JS, Google App Engine