

VENKATA SASANK MUDIGONDA

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EDUCATION

George Mason University | Volgenau School of Engineering

Fairfax, VA

Master of Science in Computer Science (Machine Learning concentration)

August 2019 - Present

Vellore Institute of Technology

Chennai, India

Bachelor of Technology in Computer Science and Engineering (GPA: 3.75/4)

June 2013 - May 2017

EXPERIENCE

George Mason University

Fairfax, VA

Graduate Teaching Assistant

August 2019 - Present

- Working as a Graduate Teaching Assistant for the Department of Information Sciences and Technology
- Courses include Advanced Web Development (ASP.NET MVC and REST Services) and Mobile Development (iOS & Android)
- Responsible for teaching and assisting students with their projects, conducting lab hours and grading their works on weekly basis

Wavelabs.ai

Hyderabad, India

Machine Learning Engineer

March 2018 – July 2019

- Architected pipelines for data preparation, training, continuous integration and deployment of deep learning applications
- Built solutions for continuous monitoring and retraining deployed deep learning solutions
- Built containerized training and serving scripts using Docker for training and deployment on AWS SageMaker
- Ideated potential AI solutions for enterprises
- Taught Machine Learning and Deep Learning to undergraduate students at various universities

Wavelabs.ai

Hyderabad, India

Full-Stack Software Engineer

June 2017 - March 2018

- Built RESTful web services using Node JS, Spring Boot and Flask
- Developed mobile applications based on native Android and React Native platforms
- Developed web applications using React JS and Angular JS (1.6)
- Containerized enterprise applications using Docker and deployed onto Kubernetes clusters
- Implemented continuous integration and continuous deployment pipelines using Jenkins

SKILLS

Programming Languages: Python, R, Core Java, JavaScript, PHP, C++, C

Deep Learning: TensorFlow, Keras, PyTorch, Computer Vision and Deep NLP

Data Science Libraries (Python): scikit-learn, nltk, OpenCV, Pandas, NumPy, matplotlib, plotly

Mobile: React Native, Android

REST Frameworks: Spring Boot, Flask, NodeJS

Database: MySQL, MongoDB

Web Application Frameworks (front-end): React JS, Angular 1.6

Cloud Platforms: AWS, IBM Cloud

DevOps: Docker, Kubernetes, Jenkins

PROJECTS

Photo Scoring Service | Client: Care.com | TensorFlow, AWS SageMaker, Flask, Nginx

December 2018 - June 2019

Built and deployed a deep learning model based on a custom Residual Network architecture on AWS SageMaker that can rate profile images based on human aesthetic perception, inspired by Google's Neural Image Assessment (NIMA).

Intelligent Pricing Engine | Client: Unimoni | Keras, scikit-learn, Flask

March 2019 - July 2019

Built a model to intelligently suggest the remittance prices in Unimoni's currency exchange, to maximize profit and customer satisfaction.

Job Failure Forecast with Log Analysis | Client: Invesco | Keras, scikit-learn, Flask, Spring Boot, Stanford CoreNLP

March 2019 - July 2019

Built a model and necessary backend to forecast the critical job failures in their huge trading systems workflow and improved the response time in attending the failures.

Predicting Credit Discrepancies | Client: KPMG | TensorFlow

September 2018 – December 2018

Lead the Data Science division of the team building a data-driven solution using Machine Learning to automate the process of determining and forecasting credit discrepancies for various banking systems.

Dinely Mobile Application | Client: Dinely | React Native, Spring Boot, NodeJS

December 2017 - February 2018

Built a mobile application in React Native that helps users to find nearby restaurants that match their taste, make orders and advanced bookings. Also built an embedded chatbot using Stanford CoreNLP to interact with the users by improving user experience.

CERTIFICATIONS

- **Deep Learning Specialization** certificate by Andrew Ng (deeplearning.ai) on Coursera