ADHISH THITE

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Machine Learning | Deep Learning | Data Science | Computer Vision | Data Visualization & Analysis | Big Data Analytics

Machine Learning Engineer leveraging expertise in Deep Learning, Data Exploration and Visualization, Application and Web Development to effectively translate client requirements for insightful, data-driven business decision making. Exhibits proven ability to optimize business processes through cutting-edge analytics, winning project leadership skills, and industry expertise of frameworks such as TensorFlow, Keras, and tools like Tableau, SAS, Google Cloud Platform & Analytics Services.

Core Competencies: Deep Learning (*TensorFlow, Keras, PyTorch*), Machine Learning & Data Analytics (*Python, R*), Data Science Stack (*Pandas, scikit-learn, NumPy*), Cloud Computing (*Hadoop, Spark*), Cloud Platforms (AWS, GCP, Azure), Data Visualization (*Tableau, Google Charts*), Statistical Analysis (*SAS, SPSS, Excel*), Google Analytics, Database Management (*SQL*), Application Development (Java).

PROFESSIONAL EXPERIENCE

Machine Learning Engineer (Intern), GoCollect (Charlotte, NC) 2/19 – Present

- **AI-based UX Enhancement:** Engineered a Computer Vision-based Deep Learning pipeline autonomously on **Google Cloud Platform** to accurately identify a comic book based on an image, decreasing search time by **30%** as compared to text-based search.
- **Predictive Analytics:** Predicted the sales price range of comic books on a 5-figure scale by analyzing a dataset of **33 million records** from the GoCollect platform in Python using **TensorFlow.**

Machine Learning Engineer (Intern) in Computer Vision, Welch Labs (Charlotte, NC) 10/18 – Present

- **Modular Algorithm Design:** Partnered with **Microsoft** & **SpyGlass** to reduce the false positive identification rate of defective windshields by **100%** by implementing an ensemble of Convolutional SVMs and CNNs using **OpenCV** and **Keras** in Python.
- **Increased Savings:** Projected to save **USD 1 million per quarter.** Targeting to optimize the model to have an **8s response time** during inference after deploying as an **Azure Machine Learning Web Service** (REST API).

Machine Learning Engineer (Intern), Zuora, Inc. (San Francisco, CA) 6/18 – 8/18

- **Business Process Improvement:** Reduced Zuora's live support agent involvement by **75%** by building an NLP Topic Modelling pipeline in **Java** and **Python** to correlate customer support tickets with internal knowledge base content.
- **Driving Customer Engagement:** Accelerated ticket response time by **90%** by leveraging Deep Learning algorithms to automate access validation to Salesforce.com orgs in Zendesk.

Application Development Analyst | Salesforce.com Specialist and SME, Accenture (Pune, India) 4/15 – 7/17

- **Application Development & Maintenance:** Led the end-to-end delivery of an e-commerce platform for Splunk. Acted as the Lead Salesforce.com Developer and Technical Team Lead for the Salesforce's **first-ever implementation of a cloud-on-cloud model**.
- **System Overhaul:** Facilitated complete overhaul of a Purchase Order flow by developing key delivery components. Augmented Sales Reps efficiency by **50%** by deploying advanced automation processes via Salesforce.com customization & configuration.

EDUCATION

Master of Science (Computer Science) | University of North Carolina at Charlotte May 2019
Courses: Machine Learning, Visual Analytics, Big Data Analytics, Cloud Computing for Data Analysis.

Bachelor of Engineering (Computer Engineering) | University of Pune, India May 2014
Courses: Algorithms, Data Structures, Operating Systems, Theory of Computation, Artificial Intelligence.

ACADEMIC PROJECTS

Improved Decoupled Neural Interfaces [Individual Research]: Reduced the training time for Deep Neural Networks by 50% by implementing an independent 'pre-training' module in **TensorFlow**. Created a weight initializer based on input-input mapping.

Neural Image Caption Generator: Generated best-fit captions for given images by implementing a **VGG-16 + LSTM** model in **Keras**. Optimized model while securing a **5% increase in BLEU** translation score by using the **Inception** module on reduced vocabulary size.

Spoken Digits Audio Classifier (Sound-MNIST): Correctly identified spoken digits by developing a **97%** accurate Convolutional Neural Network Classifier with **PyTorch**. Represented audio data in a numeric format by leveraging the Mel-Frequency Cepstrum Coefficient.