

ADHISH THITE

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

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

Core Competencies: Deep Learning (*TensorFlow, Keras, PyTorch*), Machine Learning & Data Analytics (*Python, R*), Docker, Kubernetes, Cloud Computing (*Hadoop, Spark*), Cloud Platforms (*AWS, GCP, Azure*), Data Visualization (*Tableau, Google Charts*), Statistical Analysis (*SAS, SPSS, Excel*), Google Analytics, Database (*SQL*), Application & Web Development (*Java, Flask, Django*).

PROFESSIONAL EXPERIENCE

Machine Learning Engineer, Synapse Financial Technologies (San Francisco, CA) 12/19 – Present

- **Impacting End-User:** Played an instrumental role in building an automated ID verification system powered by Deep Learning that verifies government-issued ID documents to identify and authenticate end-users in real-time, thereby **speeding up** the KYC user onboarding process **from days to seconds**.
- **Efficient System Design:** Engineered a mature system termed "Video Auth" that uses **speech-to-text** and **facial recognition** to validate a user by comparing a user-uploaded video to a government-issued ID in **20 seconds or less**.
- **System Automation:** Implemented an intricate process to automate the due diligence process using state-of-the-art NLP models. The service executes *web scraping, sentiment analysis, industry categorization using ML, business owner analysis* and decides whether a company is fit to do business with, in a **run time of ~15 seconds**.
- **Process Enhancement:** Executed vital roles in developing products like *Remote Deposit Capture, Realtime SSN Verification, Face Duplicate Verification* to allow our platforms to onboard customers with universal document requirements that are **easy for users** to fulfill while still **mitigating risk, blocking fake accounts**, and effectively helping our compliance team find needles in a haystack.

Machine Learning Engineer, Gemini Data Inc. (San Francisco, CA) 4/19 – 12/19

- **Pattern Extraction:** Alleviated log analytics performance by **80%** by implementing a sophisticated pipeline in **Python** and **Apache Calcite** to **generate regular expressions** (regex) from unstructured log data to automatically parse & store real-time streams.

Machine Learning Engineer (Intern) | Welch Labs and UNC Charlotte (Charlotte, NC) 10/18 – 4/19

- **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. Optimized 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

Bachelor of Engineering (Computer Engineering) | University of Pune, India May 2014