ADHISH THITE

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Artificial Intelligence & Machine Learning | Application Development | API & Microservice Architecture | Cloud Platform Integration

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Accomplished engineer with 9+ years in the tech industry, including 6 years focused on AI and Machine Learning. Renowned for devising innovative solutions across diverse sectors, leveraging data analytics and advanced technologies to streamline operations, bolster security, and boost efficiency. Demonstrated proficiency in leading complex projects and fostering collaborative team environments to deliver impactful outcomes. Eager to bring a blend of creative problem-solving and technical acumen to a position that prioritizes forward-thinking, excellence, and a commitment to tangible results.

Core Competencies: Deep Learning (**TensorFlow, PyTorch, Generative AI**), Machine Learning & Data Analytics, Containerization (**Docker, Kubernetes**), Cloud Platforms (**AWS, GCP**), Database Management (**SQL, NoSQL**), Microservice Architecture (**Python**), Applied LLMs (**GPT-3.5/4**), Production Deployment on-cloud and on-premises, Performance Monitoring (**DataDog, ElasticAPM**).

PROFESSIONAL EXPERIENCE

Senior Machine Learning Engineer, Synapse Financial Technologies | (San Francisco, CA) [Remote since 2022]   12/19 – Present
- **Expedited KYC Process**: Developed an AI-driven ID verification system, **reducing onboarding time from hours to seconds** and streamlining the authentication of users' government-issued documents.
- **Innovative System Design**: Created a "**Video Auth**" solution using speech-to-text and facial recognition, validating users in under 20 seconds by comparing videos with their respective government-issued IDs.
- **Advanced Automation**: Designed an NLP and ML-based automation system to optimize due diligence procedures, assessing **platform eligibility in just 15 seconds** through web scraping, sentiment analysis, and industry categorization.
- **Enhanced Security**: Developed user-friendly products like Remote Deposit Capture, real-time SSN Verification, and Sanctions Monitoring, **increasing compliance effectiveness by 2x** by mitigating risks of fake accounts and fraudulent transactions.
- **System Scalability:** Rearchitected systems to seamlessly manage over a **million requests per day** through efficient caching, asynchronous processes, robust APIs, and optimized database implementation.
- **Global Expansion:** Enabled worldwide user onboarding by creating configurable modules seamlessly integrating with multiple local vendors, significantly broadening the platform's global reach.

Machine Learning Engineer, Gemini Data Inc. | (San Francisco, CA)   4/19 – 12/19
- **Pattern Extraction:** Enhanced log analytics performance by **80%** by implementing a sophisticated **Python** and **Apache Calcite** pipeline to **generate regular expressions** (regex) from unstructured log data to parse & store real-time streams automatically.

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 identification rate of defective windshields by **99.95%** 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**.

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 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, USA   May 2019

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