ADHISH THITE

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

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Highly accomplished Senior Machine Learning Engineer with over 8 years of experience and 5 years dedicated to AI and Machine Learning. Demonstrates a strong track record of delivering innovative solutions across various industries, using data-driven insights and cutting-edge technologies to optimize business processes, enhance security, and drive efficiency. Proven ability to lead projects, collaborate with diverse teams, and consistently deliver high-impact results. Seeking to apply my expertise to a challenging Senior Machine Learning Engineer role that values creativity, technical excellence, and a results-driven approach.

Core Competencies: Deep Learning (**TensorFlow, PyTorch, Generative AI**), Machine Learning & Data Analytics, Containerization (**Docker, Kubernetes)**, Cloud Platforms (**AWS, GCP, Azure**), Database Management (**SQL, NoSQL**), Microservice Architecture (**Python**), LLM Prompt Generation (**GPT-4**), Production Deployment on-cloud and on-premises.

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 days 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 minute** 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 **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**.

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