

Aditya Sahu

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EDUCATION

San Jose State University

Master of Science in Artificial Intelligence

San Jose, USA

2022 - 2024

Siddaganga Institute Of Technology

Bachelor of Engineering in Computer Science

Tumkur, India

2016 - 2020

SKILLS SUMMARY

Languages: Python, Java, C++, C, HTML, CSS, SQL, R

Frameworks/Libraries: Pytorch, Tensorflow, Keras, Spacy, Numpy, Pandas, Scikit Learn, HuggingFace, OpenCV

Database/Tools: MongoDB, MySQL, Tableau, Power BI, Spark, Databricks, Docker, Git, Azure, AWS, Jira, MLFlow

AI/ML Stack: Predictive & Descriptive Analytics, Statistics, Computer Vision, NLP, MLOps, Data Engineering, ETL

Soft Skills: Leadership, Work ethics, Problem Solving, Adaptability, Perseverance, Time Management

EXPERIENCES

Machine Learning Intern, Nuvoton Technology Corporation America - San Jose, CA

May 2023 – Present

- Identified data inconsistencies and implemented data quality strategies, resulting in a **10% reduction** in errors.
- Designed and implemented machine learning algorithms, enhancing the **efficiency and accuracy of AI systems**.
- Single-handedly implemented enhancements for **Object Detection, Speech Command and Event Classification**.

Software Engineer -Data, Netcracker Technology - India

Nov 2020 – Jul 2022

- Led team in implementing **Discrepancy reports**, reducing billing errors by **70%** and improving data synchronization.
- Built predictive models using **Azure Machine Learning**, leading to an **8%** enhancement in accuracy outcomes.
- Worked in the **POC team** to build Product Catalog, Order Entries, and Rating Billing Management systems.
- Developed validation scripts using **complex PL/SQL** queries, achieving 95% accuracy during cloud imports.

Data Scientist, Diversity Infotech - India

May 2019 – Nov 2020

- Revamped **Python APIs** for data transformation using **MongoDB**, achieving **30%** increase in extraction speed.
- Built interactive **Power BI dashboards**, enabling analysis and visualization of data for valuable insights.
- Constructed word vector models for enhanced language understanding by leveraging **spaCy, NLTK, and Gensim**.
- Developed automation scripts utilizing **Selenium and BeautifulSoup** to extract conversational datasets.

PROJECTS

Snapjobs: AI Powered Job assistant | React.js, AWS, LLM

Present

- Developing one stop solution for tailoring Resume leveraging **LLaMa**, streamlining application tracking and building crawlers on **ECS** to fetch real-time job openings enhancing job seekers' success utilizing **DynamoDB and S3**.

Medicare Geographic Insights | Spark, AWS S3, Power BI

Dec 2023

- Implemented a healthcare data integration solution, utilizing **Apache Spark and AWS S3** for large data-sets, and created interactive **Power BI dashboards** for comprehensive Medicare Geographic Variation analysis.

Olympic Data Analysis | Azure, Databricks, Synapse Analytics

Nov 2023

- Data Processing project orchestrating data workflows with **Azure Data Factory**, leveraging Data Lake Gen 2. Employed **Synapse Analytics** for advanced analytics and **Databricks** for efficient data processing.

Credit Risk Prediction | Python, EDA

Feb 2023

- Built lending analytics project, conducted data preprocessing and feature engineering on Lending Club dataset. Evaluated **Regression, Clustering, and XGBoost** models providing data-driven risk management recommendations.

PUBLICATION

Sahu A., Kumar A., Parekh A. (2021) "Emoticon: Toward the Simulation of Emotion Using Android Music Application" vol 53. Springer, Singapore. ([link](#))

LEADERSHIP / EXTRACURRICULAR

Machine Learning Club @SJSU | Project Member

Aug 2022 – Aug 2023

- Organizing numerous technical events including workshops, webinars and collaborating to build projects.