

Yashaswi Kakumanu

✉ yashaswi.kakumanu@gmail.com

🌐 yashaswikakumanu

🌐 yashaswikakumanu

☎ +91 9394239498

MACHINE LEARNING ENGINEER -- leveraging 5 years of experience

Passionate Machine Learning Engineer with expertise in agile methodology and cloud environments. Proficient in designing, developing, testing, and deploying applications utilizing cloud technologies. Actively contributes to open-source projects, demonstrating a commitment to advancing machine learning through continuous learning and improvement.

EXPERIENCE

MACHINE LEARNING ENGINEER

Tiger Analytics, India

July 2022 – Present

Domain-Insurance

- Spearheaded team of 4 to successfully onboard and deploy machine learning models developed on platforms such as h2o.ai, DataRobot, and R onto AWS SageMaker, resulting in improved model performance and operational efficiency.
- Dockerized native model artifacts and implemented batch transformations, monitoring the process using the AWS SageMaker pipeline. Utilized Snowflake for data storage and retrieval, ensuring seamless data processing.
- Streamlined deployment and management of the entire setup across development and production accounts using Terraform and Azure pipelines, reducing time and effort for infrastructure management.
- Conducted thorough vulnerability scans to ensure data security and compliance with stringent client requirements, maintaining high data integrity and protecting sensitive information.
- Implemented an efficient financial prospect recognition system using AWS SageMaker pipelines, leading to a significant cost reduction of 40% for the client.

SENIOR ANALYST - MLE

Tiger Analytics, India

Dec 2021 -- June 2022

Domain-Insurance

- Designed and orchestrated end-to-end model building, monitoring, CI/CD pipeline and scalable models on AWS Sagemaker, improving the overall efficiency of the development process.
- Actively participated in an agile model pipeline deployment using the scrum process with 1-week sprints, ensuring timely delivery and effective collaboration with the team
- Developed custom Sagemaker preprocessors, Estimators, and Docker estimator images for building pipelines using Sagemaker workflows. Orchestrated the entire pipeline using AWS Step Functions, enhancing the workflow automation.
- Successfully designed and deployed a production-level scalable MVP platform for underwriters, reducing the processing time from 2 weeks to just 5 minutes. Leveraged AWS infrastructure for efficient scalability and performance.

DATA SCIENTIST

Infosys Limited, India

May 2019 -- Nov 2021

Domain - FMCG

- Conducted exploratory data analysis (EDA) to analyze the distribution and correlations of business data, providing valuable insights to improve decision-making processes.
- Developed data-driven strategies to optimize procurement costs, resulting in a 45% reduction in overall procurement expenses. Analyzed supplier data and recommended ideal suppliers based on factors such as quoted prices and shipping charges.

SOFTWARE DEVELOPER TRAINEE

DigiMind Engineering Services Pvt.Ltd, India

July 2018 -- Mar 2019

- Collaborated with clients during various phases of development, deployment, and production, ensuring smooth communication and requirement alignment.
- Researched and developed efficient solutions using Python, OpenCV, JavaScript, and HTML. Successfully deployed the solutions in projects and delivered demonstrations to clients, including the Indian Army.

EDUCATION

CBIT, Hyderabad

Bachelor of Engineering ,Information Technology

Aug. 2015 -- April 2019

CGPA: 9.03

SKILLS

Python, C,C++, SQL, NumPy, Pandas, SciPy, Scikitlearn, Matplotlib, Pyplot, Supervised Learning, Unsupervised Learning, Deep Learning, Tensorflow, Keras, Snowflake, AWS SageMaker, Flask, AWS, Docker, Git, Azure Devops, MLflow, H2O.ai, Terraform, CI/CD

CERTIFICATIONS

- AWS Cloud Practitioner ID - [20B30Q7CTNE11359](#)
- AWS Certified ML - Specialty ID - [7L08EVHK7N1Q1SC4](#)
- Certified in Applied Machine learning -- Applied AI course

CONTRIBUTIONS

- Open source contributor for [MLflow](#), [ProtectAI](#), [Stackoverflow](#)
- Active contributor to the data science community through articles published on [Medium](#)
- Authored and published the ebook ('[Python Primer: Essential Concepts for Newbies](#)') on Amazon Kindle, providing a comprehensive guide to beginners on fundamental concepts of Python programming.

ACHIEVEMENTS

- Received Infosys Client Partnership Award for the contribution of day to day procurement operations
- Spearheaded a 3-member team for the academic Project and got selected for the Students Project Programme 2019 on national wide
- Received Best Disciple of the year award for being a school topper (10 CGPA) in zonal level