AMOGH MAHADEV KOKARI

New York Metropolitan Area | amoghsrcm@gmail.com | LinkedIn | GitHub | STEM OPT (Eligible 3-years)

Summary: Data enthusiast with 1+ years of software development experience in startup, research assistant, data engineer and data scientist

EDUCATION

Stevens Institute of Technology | Hoboken, NJ *Expected* May 2023
Master of Science in Information Systems **(GPA:3.9/4)**
Relevant Coursework: Data Management; Big Data Technologies; Data Analytics and Machine Learning; Financial Decision Making
Honors: Provost Masters Scholarship; Vice President of Stevens Graduate Financial Association

Dayananda Sagar University | Bangalore, India June 2019
Bachelor of Technology in Computer Science Engineering

PROFESSIONAL EXPERIENCE

Stevens Institute of Technology, Teaching Assistant | Hoboken, NJ January 2022 to May 2023
- Applied and taught concepts in Data Mining and Machine Learning, Business Intelligence and Data Integration, utilizing Spreadsheets (Microsoft Excel), Python (including Pandas, NumPy, Matplotlib, Seaborn), SQL, Tableau, Erwin, and Alteryx to 100+ students, enabling them to gain industry-relevant expertise in the financial services sector

Build Health International, IT Intern | Beverly, MA May 2022 to August 2022
- Developed Data Pipeline between different applications to extract and load data to generate detailed project reports (cost, dates, resource requirements) with graphical visualization for the financial department (5+ users), streamlining the entire process
- Pipelined data from Slack to autogenerate tasks in Asana and auto-update IT database (Google Sheets), reducing employee onboarding and offboarding time from 1 day to 1 hour, improving efficiency by 100%
- Managed IT systems and Cloud data, enabling secure and collaborative workspace for 100+ users, ensuring data integrity and security

Stevens Institute of Technology, Research Assistant | Hoboken, NJ September 2021 to May 2022
- Developed Human Computer Interaction Lab's official website, collaborating with a team of 5 researchers and developers to create an intuitive user experience utilizing HTML, CSS, JavaScript, and React.js, increasing user engagement and satisfaction by 25%
- Utilized data engineering techniques to extract 50,000+ dynamic Facial Features in Time Series dataset, leveraging Machine Learning model (LightGBM autotuned with Optuna) to predict participant's anxiety, boredom and flow, results of which were included in research papers submitted to AIED and IMWUT conferences
- Leveraged Python and PyTorch to perform Exploratory Data Analysis (EDA) on 32-channel Time Series EEG data, constructing Deep Learning model with multi-learning approach (Hard Parameter Sharing), achieving 86% accuracy

Razorpay, Software Development Engineer | Bangalore, India June 2019 to June 2020
- Implemented team-based Agile setting to integrate PayPal, Simpl, and Jana banks' payment gateways using REST API, php, Golang, and Docker, increasing international payment and purchase success rates by 30%, leading to an estimated $60,000 in savings
- Developed REST APIs using Golang, Docker, and Kubernetes to ensure secure and reliable payment processing, utilizing GIT for version control and Test-Driven Development (TDD) to ensure code quality and reliability, improving system performance
- Optimized monolithic codebase to API-based Distributed Microservices using Git version control system, automating failure escalation and enhancing speed, efficiency and risk analysis of payments, resulting in increased revenues and merchant base

PROJECTS

Jaffle Shop, Analytics Engineering project [ref.] January 2023
- Successfully Configured, developed, and tested a data engineering pipeline using dbt and BigQuery to perform ELT, automated deployment via GitHub, Cron jobs, and API endpoints, improved readability and failure escalation through documentation and tests

Full Stack Real-Time YouTube Channel Text Analysis using PySpark [ref.] September 2022 to December 2022
- Developed end-to-end Flask based Web Application with Data Pipeline (mage-ai) to ETL YouTube data (Web Scraping), implemented 4 ML and 3 Spark ML classifiers to classify user input (title and description) and compared runtimes

Real or Fake job posting classification using GaussianNB [ref.] September 2022 to December 2022
- Led a 3-member team in designing and implementing a Machine Learning pipeline with Gaussian Naive Bayes, NLP, and Pandas for ETL, achieving an accuracy of 98% for classifying fake-real job postings based on text analysis of demographics and industry

SKILLS

Programming: Python; Spark; Go; C++; JAVA; HTML; CSS; SQL
Tools: Databricks; BigQuery; MongoDB; AWS; Snowflake; dbt; Tableau; Looker; Docker; Asana; Git; Postman; Jira
Certifications: AWS Certified Cloud Practitioner (AWS); AWS Machine Learning Foundations (Udacity); Applied Data Science with Python Specialization (University of Michigan); Google Project Management Certificate (Google); dbt Fundamentals (dbt Labs)