AMOGH MAHADEV KOKARI

New York Metropolitan Area
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EDUCATION

Stevens Institute of Technology, Hoboken, NJ — *Expected* May 2023
Master of Science in Information Systems — **(GPA:3.9/4)**
Relevant Coursework: Financial Decision Making, Consulting, Management of AI, Data Management, Big Data, Data Analytics and ML
Recognition: Provost Masters Scholarship and Vice President of Stevens Graduate Financial Association
Dayananda Sagar University, Bangalore, India — June 2019
Bachelor of Technology in Computer Science Engineering

TECHNICAL KNOWLEDGE

Programming: Python, SQL, Go, C, C++, JAVA, HTML, CSS
Database: MySQL, PostgreSQL, MongoDB
Domain: Data Analytics, Data Engineering, Data Science, Web Mining, Software Development, Agile
Data Engineering: Spark, Databricks, AWS, Snowflake, DBT
Tools: Spreadsheets (Google Sheets, Microsoft Excel), Tableau, Looker, REST web services, Docker, Asana, Git, Postman, Jira

PROFESSIONAL EXPERIENCE

Build Health International — **Beverly, MA**
IT Intern — May 2022 to August 2022

- Proposed a software framework to collect distributed and decentralized financial data to generate dashboards and reports with graphical visualization for projecting project cost, dates and resource requirements, for the financial department requirement.
- Automated Asana form-based task generation integrated with Slack, enhancing employee onboarding efficiency from 1 day to 1 hour
- Managed IT systems and Google Cloud data, providing secure and safe collaborative environment for teams across the globe

Stevens Institute of Technology — **Hoboken, NJ**
Teaching Assistant — January 2022 to May 2022

- Applied and taught concepts in Python (including Pandas, NumPy, Matplotlib, Seaborn), Tableau, Erwin, Alteryx, Data Analysis, Data Mining, Machine Learning, Business Intelligence and Data Integration through case studies in in the financial services industry.

Research Assistant — September 2021 to May 2022

- Designed and developed Human Computer Interaction Lab's official website by collaborating with a team of researchers and developers, leveraging HTML, CSS, JavaScript, and React.js to create an intuitive user experience
- Recruited participants, set up experiments, and collected data for emotion, attention, and depression study in lab and classroom settings
- Achieved 84% accuracy on a Machine Learning model (LightGBM autotuned with Optuna) to detect participant's anxiety, boredom and flow by extracting over 50,000 dynamic Facial Features in Inter-Vector Angles and Action Units over .5 second timeframe in Time Series dataset, used the results in research papers submitted to AIED and IMWUT conferences

Razorpay — **Bangalore, India**
Software Development Engineer — June 2019 to June 2020

- Utilizing a team-based Agile setting, Integrated PayPal, Simpl, and Jana banks' payment gateways using Git, REST API, Php, Golang, Docker that enabled secure and efficient processing of financial transactions, leading to an estimated $60,000 increase in monthly revenue
- Optimized monolithic codebase to API-based Distributed Microservices using Git and Continuous Integration, automating failure escalation, and enhancing payment and audit processes and security of financial data, resulted in increased revenues and merchant base

PROJECTS

Full Stack Real-Time YouTube Channel Text Analysis using PySpark — September 2022 to December 2022

- Developed an end-to-end Flask based Web Application that ETL YouTube data (Web Scraping and Mining) and Feature Engineers to generate Word Cloud and dissect Feature Variable (like counts) to high/low (0,1) for classification
- Implemented 4 ML (GaussianNB, LGBMClassifier, XGBClassifier, AdaBoostClassifier) and 3 Spark ML (LogisticRegression, GBTClassifier, NaiveBayes) classifiers, compared runtimes (Spark ML vs ML) and classified user input (title and description)

Real or Fake job posting classification using GaussianNB — September 2022 to December 2022

- Led a team of 3 to develop a Gaussian Naive Bayes machine learning Pipeline to Classify and Predict fake-real job postings based on Text Analysis of demographics and industry using Natural Language Processing (NLP) and Pandas for ETL, achieving an accuracy of 0.98, F1 score of 0.86, recall of 0.80, and precision of 0.94 (macro average)

Beat The Fat, Human Centered Design project — August 2022 to December 2022

- Leading a team of 3, utilized 5 stages of design thinking principle, conducted user interviews, research, understood needs, developed personas, user stories, created prototypes, user testing to rapidly iterate ideas, reach a solution of an application to deliver AI generated personalized diet to save university student's deteriorating health.
- The MVP (Minimum Viable Product) received 94.59% of positive responses from the students looking forward to using the product

CERTIFICATIONS

AWS Certified Cloud Practitioner — December 2022
AWS Machine Learning Foundations, Udacity — September 2022 to October 2022
Applied Data Science with Python Specialization, University of Michigan — June 2022 to July 2022
Google Project Management Certificate, Google — June 2022