

# AMOGH MAHADEV KOKARI

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## EDUCATION

<b>Stevens Institute of Technology</b>   Hoboken, NJ	<b>Expected May 2023</b>
<b>Master of Science, Information Systems</b>	<b>GPA 3.9</b>
Honors: Provost's Master's Scholarship Award	
Courses: Financial Decision Making, Management of AI, Data Management, Big Data, Data Analytics and Machine Learning	
<b>Dayananda Sagar University</b>   Bangalore, India	<b>August 2015 - May 2019</b>
<b>Bachelor of Technology, Computer Science Engineering</b>	

## WORK EXPERIENCE

<b>Machine Learning Engineering Intern</b>   Bullwhip Technologies LLC   Scarsdale, NY	<b>February 2022 - PRESENT</b>
<ul style="list-style-type: none"><li><b>Forecasting:</b> Implemented SARIMA to forecast monthly keyword search volumes for ~100k time series patterns, scaled to 15 million by multithreading in PYTHON with modular code, model selection using AUTO ARIMA framework of PMDARIMA</li><li><b>Deploying:</b> Working with founder, containerized environment using DOCKER, deployed the solution on Google Cloud Platform</li></ul>	
<b>Data Analyst Intern</b>   Build Health International   Beverly, MA	<b>May 2022 - August 2022</b>
<ul style="list-style-type: none"><li><b>Financial Analysis:</b> Streamlined ETL to generate detailed reports with Visualizations to keep track of project progress, cost, time</li><li><b>Process Analysis:</b> Maximized onboarding, offboarding efficiency by 90%, standardized data collection, cleaning, updating database</li><li><b>Cloud:</b> Facilitated secure, collaborative workspace by ensuring cloud security, IT systems availability for over 80 users globally</li></ul>	
<b>Data Science RA</b>   HCI LAB Stevens Institute of Technology   Hoboken, NJ	<b>September 2021 - May 2022</b>
<ul style="list-style-type: none"><li><b>Facial Analysis:</b> Extracted 50000+ Facial Features from Time Series data to Predict emotions with 80% accuracy using ML model, LightGBM, OPTUNA, created presentations, reported results in research papers submitted to ACM, AIED, IMWUT conferences</li><li><b>Emotion Detection:</b> Led team of 3, extracted, transformed, analyzed EEG Time Series data to visualize participants' brain waves, detected emotions with 86% accuracy with Deep Learning model using PYTORCH, GRU Hard Parameter Sharing Framework</li></ul>	
<b>Entrepreneur &amp; Co-Founder</b>   Nioneer LLP   Bangalore, India	<b>July 2020 - July 2021</b>
<ul style="list-style-type: none"><li><b>Strategy:</b> Analyzed top 10 competitor in ed-tech with online resources to consolidated product design, delivery for GTM strategy</li><li><b>Product:</b> Developed web app, guided students to realize career goals through data driven custom road maps, actionable tasks</li><li><b>Recognition:</b> Won APAC's Best Community-Centric Career Guidance Platform award; achieved DPIIT recognition from GOI in 2021</li></ul>	
<b>Software Engineer</b>   Razorpay Pvt. Ltd.   Bangalore, India	<b>June 2019 - June 2020</b>
<ul style="list-style-type: none"><li><b>Wallet:</b> Increased international payment success rates by 30% by integrating PayPal payment gateway using REST API, GO, PHP</li><li><b>PayLater:</b> Expanded into purchase now pay later framework by integrating Simpl payment gateway, separated collection, cash flow</li><li><b>Bank:</b> Saved \$60,000 MRC by directly integrating with Jana bank, automating payment processing, reconciliation, cash flow</li></ul>	

## TECHNICAL SKILLS

<b>Programming Language:</b> Python; SQL; R; Go; C++; Java; HTML; CSS
<b>Cloud:</b> dbt; Fivetran; Snowflake; BigQuery (GCP); AWS S3; Databricks (Azure); <b>Database:</b> MongoDB; MySQL; Oracle; Redis
<b>Machine Learning:</b> Time Series Analysis; Classification; Regression; Clustering; <b>Product:</b> MRR; ARPU; CLTV; CAC; AUP; NPS; CRR; AR
<b>Tools:</b> Tableau; Power BI; Looker; Airflow; Terraform; Docker; Asana; Git; Postman; Jira; Figma
<b>Certifications:</b> Applied Data Science with Python Specialization (University of Michigan); dbt Fundamentals (dbt Labs); Meta Database Engineer (Meta); AWS Certified Cloud Practitioner (AWS); Google Project Management (Google)

## ACADEMIC PROJECTS

<b>Analytics Engineering, Jaffle Shop</b> [ <a href="#">ref.</a> ] (dbt; GCP BigQuery; JinjaSQL; Git)	<b>January 2023</b>
<ul style="list-style-type: none"><li><b>Automation:</b> Improved data accuracy, processing speed by 90% by automating ELT through Cron jobs, API requests by configuring DAG, writing JINJA SQL, Version Controlled on GitHub, increased readability, failure escalation through documentations, tests</li></ul>	
<b>Big Data Video Classification, YouTube</b> [ <a href="#">ref.</a> ] (Web Mining; Flask; Mage-ai; TF-IDF; NLP)	<b>December 2022</b>
<ul style="list-style-type: none"><li><b>Data Engineering:</b> Increased accuracy, processing speed by 80% of real-time scalable system to scrape, ETL data from YouTube, classified, predicted video likes with ML models using PYTHON, PYSPARK, DOCKER, visualized metrics on Web user interface</li></ul>	
<b>Product Analytics, Beat the Fat</b> [ <a href="#">ref.</a> ] (Figma; iMovie; PowerPoint; Canva; Web Scraping)	<b>December 2022</b>
<ul style="list-style-type: none"><li><b>User Study:</b> Discovered 40% US university students have food insecurity with 9 in 10 international students facing diet issues due to limited food options by surveying students, market research over internet, scholarly articles, publications</li><li><b>Product Analysis:</b> Achieved 94.59% positive response from international students on AI-powered personalized diet management MVP, developed by utilizing iterative design thinking method, Empathy, Solution attribute maps, Personas, User narrative</li></ul>	

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

<b>Stevens Institute of Technology</b> , Teaching Assistant (DM&AML, BIDI, PM)	<b>January 2022 - PRESENT</b>
<b>Stevens Graduate Financial Association</b> , Vice President	<b>January 2022 - December 2022</b>
<b>Wolters Kluwer DataSolve-US NLP Multilabel Classification Challenge</b> , 75% F1-Score	<b>October 2022 - November 2022</b>