Lakshay Jhamb

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EDUCATION

The University of Texas at Dallas   **August 2021**
B.S. in Information Technology and Systems

RELEVANT EXPERIENCE

Casa - Dallas, Tx   **April 2020 - February 2021**
Software Engineer/Founder
- Designed, developed, and distributed a cross-platform application that completely digitizes the home-buying experience
- Utilized a MERN stack for building the consumer-side application and engineering custom data pipelines, allowing for real-time rendering and monitoring of images, videos, and security feeds
- Built 50+ in-house tools using Python including data analytics functions, web scrapers using Scapy, REST APIS for data harvesting, and data visualizations using the Bokeh and MatPlotLib libraries
- Wrote and presented over 30 objective-relevant documents including pitch decks, business plans, and product-use guides
- Cultivated relationships with 25 potential customers, collaborating to work through the re-iterative process of building and delivering a great product

Amazon - Dallas, Tx   **March 2019 - August 2019**
Warehouse Specialist
- Ensured 1,200 packages/day were processed accurately by verifying QR Codes using a company scanner, fulfilling an avg. of 15 delivery routes/day
- Collaborated with the warehouse manager and delivery drivers in 4 meetings to reduce errors in package allocation, resulting in a 35% decrease in driver complaints
- Trained 4 new hires weekly on order fulfillment, mobile device management, safety regulations, and company policies

PROJECTS

Artist Management
- Managed 17 local artists digital branding by developing portfolio websites and running social media ad campaigns
- Made artist footprint monitoring dashboards, writing Python code using API's from SoundCloud and Spotify
- Efforts generated over 2 million content views, increased artist to fan engagement by 150%, resulting in an 800% increase in bookings

Probabilistic Programming vs Machine Learning for Market Modeling
- Compared various models fundamental to the field of mathematics and computer science, including Bayesian Statistics, Greedy Algorithms, and Null Hypothesis Testing, to Deep/Machine Learning alternatives
- Engineered and deployed a system on the Google Cloud Platform for real-time data analysis and visualization of the 7 major financial markets by leveraging real-time and historic data from over 25 different exchanges
- Documented test results showcasing aptitude of a model varies drastically (up to 30-40%) on the industry, time-period, input lag, and data quality

Assorted Software Projects
- COVID-19 DNA Analysis using Deep Learning: CNN's on Jupyter Notebook with API solution to the NCBI SRA
- SpaceX Rocket Launch Customer Application: Dynamic Web App using GraphQL, Apollo, and React as well as data acquisition through the SpaceX Launch API, made IOS adaptation using Swift
- Ray-Tracing Engine: Built upon fundamental computer graphic algorithms, coding a solution using C++

ORGANIZATIONS & ACTIVITIES

- *Clubs:* CometX (Accelerator), UNICEFUTD, Doctors without Borders, Blockchain Club, Data Science Club, Product Management Club, Product Base Club, ImpactDallas
- *Events:* MITx Policy Hackathon, HackUTD, UTHacks, MIT Mobility Forum, Belfer Center Digital Forums

TECHNICAL SKILLS AND CERTIFICATIONS

- Programming Languages/Frameworks: *Python,C, C++, Swift, Lisp, Scala, Rust, Java, Javascript, Typescript, SQL, GraphQL, R, HTML, CSS*
- Frameworks: *Django, Flask, Express JS, Ruby on Rails*
- Software Tools: GCP, AWS, Azure, Kubernetes, Docker, Visual Studio Code, Xcode, Apache Spark, Kira, Hadoop, GitHub, MongoDB, Oracle Database, Apollo, React, Node.JS, Eclipse, Anaconda, Jupyter, PyTorch, Keras, TensorFlow, TravisCI, Sublime Text, VIM, Unix/Linux
- Certifications: *Google Analytics, Google Digital Marketing, Google Creative, Youtube Music Rights*
- Eligibility*: U.S. Citizen, Eligible to work with no restrictions*