Animesh Agrawal

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EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE

March 2020
BS in Computer Science
Computer Network Specialization
GPA: 3.3
Dean's Honor: 4 Quarters
Fall 2016, Winter 2017, Fall 2018, Winter 2019

SKILLS

PROGRAMMING

Swift (iOS App Development) •
Python3 • Java • C/C++
HTML • CSS •
MySQL • PostgresSQL •

FRAMEWORKS & TOOLS

Kafka • Flask • Spring Boot • XCode •
Linux • GIT • MySQL Workbench•
Agile• AWS Lambda • SQS •
DynamoDB •

COURSEWORK

UNDERGRADUATE

Data Structures
Algorithm Design
Advance Level Python
Advanced Computer Networks
Database Management
Intro to Artificial Intelligence
Principles in System Design
Software Testing and Quality Assurance
Principles of Operating Systems

EXPERIENCE

INDMONEY (FINTECH - STARTUP) | Software Engineer

Funded by Tiger Global, Steadview Capital and Dragoneer Investment
July 2020 – Current

- Spearheaded the construction and implementation of a Kafka based data streaming service which enables real-time data processing and alerts to users. Served real-time notifications to over 200 thousand users.
- Developed and automated actionable financial advisories using Java, Kafka, and Spring Boot application to enable users to save and earn money.
- Enhanced and revamped existing systems to support data streaming between services to overhaul the current system and make it more reliable and reduce latency.
- Implemented technologies like DynamoDB, SQS, Lambdas and Redshift into the current architecture stack to enhance and revamp existing system.

ADOBE SYSTEMS | Software Research Intern

June 2019 – September 2019

- Co-led a research project on explaining the behavior of black-box machine learning models through human interpretable rules.
- Refined the interpretability of ML models using algorithms like Lime, Genetic Algorithms, a post-processing algorithm, and used different Ablation studies to strengthen the approach.
- Drafted and designed Uncertainty Analysis to analyze the quality of rules produced.
- Wrote 2 research papers submitted to A-star conferences in the field of Machine Learning and Artificial Intelligence along with my supervisors

INFINITE ANALYTICS | Software Intern

June 2017 – August 2017

- Initiated and designed projects to enable automated Facebook marketing using Facebook marketing API and Flask framework in python to make UI and C++ script to read and analyze trends in data to choose the target audience.
- Built a UI based crawlers to extract product catalogs from clients' website using Scrapy and crawling Spiders. This helped consolidate data from multiple data source to a single easy to read data stream.

UC IRVINE DIVISION OF UNDERGRADUATE EDUCATION |

Mentor Coordinator
International Student Excellence Program
September 2018 - March 2020

- Supervising 4 peer mentors, and monitoring their performance in the organization and mentoring 40 incoming international freshmen for the academic year and guiding them on how to study efficiently and problem solve.
- Clearly and promptly communicate information between administrative staff and Student staff through monthly reports.
- Encouraged staff to work efficiently and responsibly by teaching techniques of Time Management and providing good mentoring

PROJECTS

CRAFTED | WebApp | HTTPS://CRAFTEDFORYOU.IN/

March 2020 - Current

- Built and designed an e-commerce platform for a local bakery business impacted during the pandemic.
- Implemented a wordpress front-end website and a python based backend system for notifications like automated SMS, a delivery dashboard and reporting system.
- Used Flask in Python3 to create web-hooks and API to communicate with services like Twillio, Wordpress, Facebook business and SQL servers