Animesh Agrawal

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EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE

March 2020
BS in Computer Science
Computer Network Specialization
GPA: 3.34
Dean's Honor: 4 Quarters
Fall 2016, Winter 2017, Fall 2018, Winter 2019

SKILLS

PROGRAMMING

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

TOOLS

XCode • Linux • GIT • MySQL Workbench•

COURSEWORK

UNDERGRADUATE

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

EXPERIENCE

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 using Machine Learning algorithm like Lime, Genetic Algorithm, 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 target audience.
- Built a UI based crawlers to extract product catalogs from clients' website using Scrapy and crawling Spiders. This helped consolidate data fro multiple data source to a single easy to read data stream.
- Improved data representation with map graphs and geographic data points using google maps API and Python scrips.

UC IRVINE DIVISION OF UNDERGRADUATE EDUCATION | Mentor Coordinator

International Student Excellence Program
September 2018 - Current
- Supervising 4 peer mentors, and monitoring their performance in the organization.
- 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

Peer Mentor | International Student Excellence Program

September 2017 - June 2018
- Recognized for outstanding work with Mentor of the Month (October 2017)
- Mentored 10 incoming international students to attain academic excellence by guiding them on how to study efficiently and problem solve.
- Organized one-on-ones' and acted as a guide to refer them to resources on campus and relevant workshops.

PROJECTS

FOODR | WebApp

February 2019
Built a web application using Flask on Python3, that recommends restaurants to eat at based on the users age, mood, location, price range and weather using a decision tree-based AI algorithm at UCI Hackathon

ARM | WebApp

June 2019
Created and designed a simple search interface for the School of ICS at UCI. Used concepts of Information Retrieval and use a crawler to gather information and designed an index to store information using TF-IDF in Python3.