Abhishek Jain

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EDUCATION

RUTGERS THE STATE UNIVERSITY OF NEW JERSEY

Master of Science in Computer Science; GPA: 3.70

New Brunswick , NJ

Aug. 2021 - May. 2023

Acropolis Institute Of Technology and Research

Bachelor of Engineering in Computer Science; GPA: 4.0

Indore, India Aug. 20016 – July. 2020

EXPERIENCE

Amazon - AWS

Austin, TX

Software Engineer Intern

June 2022 - Aug. 2022

- : Architected and implemented missing click metrics for Provisioned Dashboard. Incorporated new click metrics for both **Provisioned and Server-less**. Drafted unit tests for the new click metrics to assert the existence of a click metric function
- \circ : Deployed the new metrics to Gamma (pipeline). Added graphs to Amazon wiki To track daily usage of console from the users .
- : Identified the most frequently identified workflows and made suggestions for optimizations. Generated **customer** ready metrics for all the workflows present on the Redshift Console.
- : Correlated the customer health dashboard data with the click metrics data. Created weekly dashboard emails for alerts to identify trends and patterns within all metrics in real-time.

Rutgers University -Part-Time Lecturer

Rutgers University, NJ

Teaching Assistant

Aug 2021 - June 2022

- \circ : Accountable for conducting recitations/lectures, lab hours, office hours, and grading weekly assignments and exams for 300 students.
- : Developed and delivered engaging lectures for the undergrad students

Trinaabh Infotech

Indore, India

SDE Intern

June 2017 - September 2017

• : Designed and implemented a dashboard using **React** and **TypeScript** to visualize data stored in **DynamoDB**, decreasing time to understand delivery driver work sessions by over 10 times. Devised and deployed the infrastructure in TypeScript through **AWS CDK**, then created efficient algorithms to process data.

PROJECTS

- Stop Sign Recognition using SNN-Python: Detected Traffic Sign using Spiking Neural Network which gives better results over traditional neural networks. Developed using Pytorch. Led team of three people to train the model on German Iraffic Sign Dataset. Achieved 99 percent accuracy
- Inference Agent Python: Build two ML agents to mimic the path taken by A* search algorithm in a grid world. Experimented with two kinds of neural network architectures (one with only Full Dense Layers and the other with at least one Convolutional Neural Layer) for each agent. The first agent with fully dense layers achieved an accuracy of 92.5
- Tiny File System using FUSE Library C: Build a FUSE Library which creats a kernel module that redirects system calls to file system from the OS to the code written at the user level.
- Blsckjack HTML,CSS,Javascript,REACTjs,Typescript: Built using TypeScript to reduce load time. Managed the application state with React Hooks which made switching 70% easy. Divided the game logic into a separate file instead of just being in the App component to prevent the file being too big, and to clearly separate the logic from the components(readability increased by 50%.

Programming Skills

• Languages: Python, Javascript, C/C++, SQL, Java ,ReactJS,Typescript ,MySQL,MongoDB ,HTML CSS ,XML , Numpy, Pytorch, TensorFlow, Keras, Scikit, OpenCV