

Vidhi Mehta

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EDUCATION

Master of Science in Computer Science

Concentration in Intelligent Systems, University of Texas at Dallas

GPA: 3.93/4

Expected Graduation May 2023

Bachelor of Science in Computer Science

University of Texas at Dallas

GPA: 3.98/4

Aug. 2019 – May 2022

EXPERIENCE

Software Developer Intern

Amazon Web Services

Aug. 2022 – Nov. 2022

Seattle, WA

- Developed a full-stack application for customers to update API failure alarm configurations with greater efficiency
- Automated an email newsletter that encourages API performance improvements by delivering crucial metrics
- Deployed web application and newsletter to production to be utilized by 200+ developers and managers

Research Assistant

StARLinG Lab, UT Dallas

May 2022 – Aug. 2022

Richardson, TX

- Utilized machine learning to identify adverse effects of pregnancy in nulliparous women
- Identified impact of various socio-economic factors on gestational diabetes with more than 75% accuracy
- Extended research to identify causes of preterm birth and infant mortality

Software Developer Intern

Amazon Web Services

Jun. 2021 – Aug. 2021

Seattle, WA

- Revamped an S3 file parser responsible for extracting relevant information about hardware components
- Built scalable infrastructure using cloud resources such as S3 buckets, Dynamo DB, ECS instance and many more
- Sped the cadence of the parser from 2x/week to 1x/day by reducing the input load by 99%
- Deployed parser to production to be utilized by 3 internal services

PROJECTS

Twitter Real-Time Sentiment Analysis | *PySpark, Twitter API, Kafka, Kibana*

Jul. 2022

- Developed a pipeline that utilizes streaming data to retrieve tweets using the Twitter API and visualizing tweet sentiment using a Kibana dashboard
- Utilized Kafka streams to produce and consume streams of tweets and do conduct real-time sentiment analysis

News Article Summarization | *AWS S3, PySpark, NLTK, NumPy*

Jun. 2022

- Hosted input datasets and results on AWS S3 bucket
- Implemented the TextRank algorithm using PySpark to summarize news articles
- Improved accuracy by more than 20% by employing sentence vectorization

Get Them Greens | *Python, Streamlit, Git, Google Maps API | HackUTD VII Sponsor Winner*

Feb. 2021

- Developed a web application that creates a personalized set of produce based on gardening experience and preference of users
- Created for local families who had been affected by food shortages during the Texas snowstorm

TECHNICAL SKILLS

Languages: Python, Java, SQL, HTML, CSS, Javascript, C/C++, Node.js

Technologies: React, AWS Technologies, MongoDB, PySpark, Hive, Hadoop, Impala, Firebase, Cassandra, Unity

ACTIVITIES

Software Developer | *Artificial Intelligence Society*

Jun. 2021 - May 2022

- Designed and implemented a database schema for event data migration from Coda to AWS DynamoDB
- Utilized Firebase and front end technologies to update a hackathon portal to be utilized for HackAI

President | *User Experience Club*

Jun. 2020 - Jun. 2021

- Increased member attendance by 3x and gained 2x as many social media followers
- Orchestrated a 2-day UXperience Conference with 200+ tickets sold
- Collaborated with IBM, Google, Capital One, Shopify and other companies to host industry events and workshops