Vidhi Mehta

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EDUCATION

Master of Science in Computer Science	GPA: 3.96/4
Concentration in Intelligent Systems, University of Texas at Dallas	*May 2022 - May 2023*

Coursework: Data Structures & Algorithms, Scalable Web Services, Machine Learning, NLP, Database Systems

Bachelor of Science in Computer Science	GPA: 3.98/4
University of Texas at Dallas	*Aug. 2019 – May 2022*

TECHNICAL SKILLS

Languages: Python, Java, SQL, Javascript, C/C++, Node.js
Technologies: React, Docker, Linux, GCP, AWS (Certified Cloud Practitioner), MongoDB, Hadoop, Cassandra, Unity

EXPERIENCE

Software Engineer — Feb. 2023 – Current
HiFive Technologies — *Remote*
- Developed a cashless tipping solution used by 35+ independent hotel groups to raise $5000+ in gratuities
- Improved SEO, load times and user experience by rewriting the app in NextJS and using server side rendering
- Maximized cost savings by 7x and established granular access control by migrating the backend to AWS

Software Developer Intern — Aug. 2022 – Nov. 2022
Amazon Web Services — *Seattle, WA*
- Enabled bulk updates to CloudWatch alarm configurations stored in Redshift DB through a intuitive web app
- Delivered crucial API performance metrics to multiple teams automatically through an SES based newsletter
- Deployed web application and newsletter to production to be utilized by 200+ developers and managers

Research Assistant — May 2022 - Aug. 2022
StARLinG Lab, UT Dallas — *Richardson, TX*
- Utilized Logistic Regression to identify impact of socio-economic factors on gestational diabetes with 75% accuracy
- Compared findings with Gradient Boost and XGB models and utilized Python libraries to clean a dense dataset

Software Developer Intern — Jun. 2021 – Aug. 2021
Amazon Web Services — *Seattle, WA*
- Revamped an S3 file parser responsible to extract router hardware components information from an Asset Master
- Accelerated the parser frequency from twice a week to once a day by minimizing the input volume by 99%
- Increased system reliability, processing times, and cost savings by using Lambda and DynamoDB

PROJECTS

Twitter Real-Time Sentiment Analysis | *PySpark, Kafka, Kibana* — Jul. 2022
- Leveraged the Twitter API to capture real-time tweets and visualize their sentiment using Kibana dashboards
- Utilized Kafka to produce and consume streams of tweets and conduct real-time sentiment analysis

News Article Summarization | *AWS S3, PySpark, NLTK, NumPy* — Jun. 2022
- Summarized news articles by implementing the TextRank algorithm using PySpark
- Improved summarization accuracy by more than 20% by employing sentence vectorization
- Hosted input datasets and results on AWS S3 bucket to provide secure and accessible storage for easy collaboration

Get Them Greens | *Python, Streamlit, Git, Google Maps API* | *HackUTD Winner* — Feb. 2022
- Developed an app that produces a personalized set of plants based on users' gardening experience and preferences
- Addressed a recent winter storm crisis with a focus on growing plants which are hardy in the user's USDA zone

ACTIVITIES

President | *UX Club* — Jun. 2021 - Jun. 2022
- Increased member attendance by 3x and gained 2x as many social media followers
- Orchestrated a 2-day virtual UXperience Conference with 7 industry leaders and 200+ tickets sold
- Collaborated with IBM, Google, Capital One, Shopify and other companies to host industry events and workshops