Kavya Kotra

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EDUCATION

Texas A&M University — Aug 2020 – May 2024
Bachelor of Science in Computer Science, Minor in Cybersecurity — *GPA: 3.8/4.0*

EXPERIENCE

Audible (Amazon) — May 2023 – Aug 2023
Software Engineering Intern — *Newark, NJ*
- Programmed a streamlined Metadata Error Queue to efficiently manage audio and digital assets sent from third party publishers using Javascript and Java and updated database schema using SQL
- Standardized the process for sending data through quality control queues for errors, eliminating manual handling and significantly enhancing overall efficiency for 3 teams.
- Created feature flags in AWS parameter store to track 'skippable' marketplaces and updated logic in Java for republishing titles in select markets. Developed and conducted unit tests in JUnit.
- Led 3 user interviews with 30+ engineers to gain insights into the current metadata error queue process.

F5 Inc — June 2022 - Aug 2022
Software Engineering Apprentice
- Programmed notification system to identify security measures that fail with the latest updates by identifying flag differences for various Operating Systems, Browsers, and Web Versions using Python, SQL, GCP.
- Displayed high-priority alerts in Insight, developed UI using React JS, and integrated into the current environment. Presented a full product demo to 40+ engineers.

Facebook — April 2022 - Aug 2022
Data Challenge Finalist
- Selected as one of 80 finalists across North America to engage in a 5 month competitive data program.
- Analyzed data sets of streaming platforms using Python and SQL to find trends between users growth, revenue and selection counts.
- Presented findings and generated a recommendation for a new streaming product to engineers at Meta.

Urban Resilience AI Lab — Sept 2021 - Dec 2021
Undergraduate Researcher
- Streamed data with Twitter API to collect real-time data regarding outages, business impacts using Python
- Analyzed the sentiment patterns of Twitter data using VADER sentiment analysis tool with Python, and graphed this data by creating interactive maps in Keplr.
- Visualized data using Python geopandas to help draw insights regarding Hurricane Ida's impact on the Gulf Coast to help national disaster response agencies.

PROJECTS

PlantPal | *React, Javascript* — April 2024
- Plantpal is a community forum designed for users to connect regarding gardening developed in React.
- Includes an 'Advice' page utilizing Google Deepmind's Gemini AI API to assist users with gardening questions using Artificial Intelligence.

Hazard Reduction and Recovery Center | *Undergraduate Research Assistant* — May 2021
- Built web scraper using Python to collect Federal Domestic Assistance information for over 7,500 programs.
- Single handedly completed task put on hold for 2 years.
- Automated emailing system to contact businesses and extracted data from spreadsheets to send personalized emails to 50+ organizations using Python.

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, HTML/CSS, React JS
Developer Tools: Git, JUnit, AWS, Google Cloud Platform, PyCharm, IntelliJ, Kubernetes, Docker, Visual Studio

Leadership: Rewriting the Code, Anita B Member - Grace Hopper, Engineering Honors Program, Undergraduate Research Scholar, Committee - Society of Women Engineers