

Tanaya Jha

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EDUCATION

University of Maryland

College Park, MD

Bachelor of Science in Computer Science and Psychology — GPA: 3.85

August 2020 – May 2024

- Coursework: Algorithms & Data Structures, Computer Systems, Introduction to Data Science, Linear Algebra

WORK EXPERIENCE

IT Support Technician

February 2022 – Current

University of Maryland

College Park, MD

- Serviced over 40,000 students and alumni by operating the call center for the University of Maryland.
- Improved problem-solving and communication skills through ticket auditing, determining solutions in a fast-paced customer-facing environment, and communicating information to a wide variety of people

Data Engineering Intern

May 2022 – August 2022

PayPal

Remote

- Collaborated closely with a mentor in launching a new initiative to design and document a new scalable big-data pipeline using Apache Kafka and Google BigQuery that will process and store over 250 million events per day.
- Developed a Kafka consumer prototype with Python to investigate the implementation details, collect benchmarks to extrapolate performance and document potential areas of improvement within the dataflow.
- Investigated deployment processes by engaging multiple teams, evaluated which tools are a best fit for the use case, and organized new documentation of procedures and design reconsiderations for a reference in order to streamline workflow.

Software Engineering Intern

May 2021 – August 2021

PayPal

Remote

- Launched the development of a dashboard to monitor and manage a new caching design architecture using React, CSS, and Node, and Kraken.js that can currently manage the product cache connected to hundreds of merchants
- Designed a user-friendly UI/UX; programmed the frontend and backend API with associated documentation.
- Arranged meetings with various teams to research and develop the product. Presented findings to 50+ people.

PERSONAL PROJECTS AND LEADERSHIP

Technica | *Technology team and Community team*

February 2021 - Current

- On the technology team, used Vue.JS, Node.JS, DynamoDB, and Amazon Lambda (AWS) to build and maintain an online platform used by thousands of hackers for Technica, the world's largest hackathon for underrepresented genders.
- On the community team, spearheaded a fellowship program to encourage young women to join the technology field. Planned a new web-development curriculum, recruited 14 motivated high-school fellows through applications and interviews, and co-taught the program over an 8-week course teaching HTML, CSS, and Javascript

Spotify Machine Learning Analysis | *Python (Keras, Numpy, Pandas)*

January 2022 - May 2022

- Independently researched and developed a script on Jupyter Notebooks to predict genres of a song. Documented and reflected upon learning of each step of the process: building a dataset, feature engineering, choosing, training, and training models, and collecting metrics to compare the results.
- Interfaced with the Spotify API to obtain values on various song metrics, calculated values for new features, and researched various ways to improve the models as a first time machine-learning developer.

Color Palette Grid Web Application | *React, Javascript, HTML, CSS*

January 2022 - May 2022

- Independently pursued this project to become comfortable with React in preparation for an internship. Generates random grids of color in order to serve as a color inspiration tool for my personal art projects
- Designed and developed a user interface with usability and aesthetic appeal in mind. Created functionality for website by attempting to make efficient use of props, states, and other concepts in React

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML, CSS, Java, R, Ruby, OCaml, C#, C

Frameworks & Libraries: React, Node, Selenium, Apache Kafka, Web API's (Mapbox, Spotify), Pandas, Numpy

Tools: Google Cloud Platform, Git, Microsoft Suite, Confluence, Jira, Azure, Jupyter, AWS, Adobe XD, Figma