

# ANJALI MEHTA

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## EDUCATION

### University of Virginia

*Bachelor of Science in Computer Science Engineering, Minor in Data Science; GPA 3.759*

Charlottesville, VA

Aug. 2021 – May 2025

**Organizations:** Public Policy for Engineers, Alpha Omega Epsilon, Indian Student Association, UVA Engineering Guides

## TECHNICAL SKILLS

**Languages:** Java, Python, C, JavaScript, C#, R, PowerShell, HTML, SQL, YAML

**Frameworks & Libraries:** Django, Bootstrap, Pandas, Node.js

**Cloud & Deployment Technologies:** Microsoft Azure, Kubernetes, Heroku, Amazon S3, Minikube, Azure Data Explore

## EXPERIENCE

### Software Developer Intern

May 2024 – August 2024

*AVEVA*

*Philadelphia, PA*

- Implemented new microservice offerings for a customer portal. These services include log access, surfacing health of a kubernetes environment, and storing user portal preferences.
- Improved the automated deployment of cloud microservice resources like Azure Data Explorer tables using YAML pipelines and PowerShell so that reproducible outcomes were achieved; this replaced an error-prone manual process.
- Developed a Visual Studio console app to automate deletion of test streams created by function tests using authenticated API requests; validated endpoints with Postman and implemented authenticated GET and DELETE requests to manage stream IDs.
- Successfully created a local Kubernetes development environment, minikube, to facilitate implementation tasks.
- Conducted Unit Tests for several microservices to improve code coverage.
- Actively participated in an Agile team and contributed to all Scrum ceremonies.

### Data Science Intern

June 2023 – January 2024

*UVA Biocomplexity Institute*

*Arlington, VA*

- Developed a classifier model using Python and R, leveraging multiple predictors to evaluate the economic landscape of minority-owned businesses in Fairfax County.
- Assisted in the design and implementation of data processing workflows to clean, transform, and integrate various open-source data sources.
- Utilized machine learning and statistical modeling for creating predictor models, web scraping for data collection, census data, and natural language processing models to enhance the analysis.
- Contributed to the creation of engaging data visualizations and interactive dashboards to present insights and trends to stakeholders: [Business Climate Website](#).

## PUBLICATIONS

### [The Threat of Facial Recognition Technology](#)

May 2023

*UN Science Technology Innovation Forum*

*New York City, NY*

- Submitted policy brief and presented at the UN forum. This publication highlights the risks of facial recognition technology and proposes crucial policy recommendations for consideration by the international community.
- Conducted independently as part of the selective Public Policy for Engineers Program.

## PROJECTS

### Project Management Application | *Django, AWS S3, PostgreSQL, Bootstrap*

December 2024

- Developed a full-stack project management application using Django for the back-end and PostgreSQL for the database.
- Integrated Amazon S3 to enable secure file uploads with metadata storage for user-generated content.
- Deployed the application on Heroku, resolving deployment issues involving Django migrations and Google OAuth configurations.
- Designed and consumed RESTful APIs to streamline front-end and back-end communication.
- Conducted Beta Testing to gather user feedback and improve logical flow and UI functionality, leveraging Bootstrap for enhanced design.