

# Venkat Praneeth Uppari ❖ [LinkedIn](#) ❖ [GitHub](#)

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## EDUCATION

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**Virginia Polytechnic and State University**

*Bachelor of Science in Computer Science*

**December, 2023**

*Blacksburg, VA*

- Training Lead at VT Model United Nations Team: 9 Consecutive Outstanding Placements

## WORK EXPERIENCE

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**NT Concepts**

**June 6, 2022 – July 29, 2022**

*Software Developer Intern*

*Vienna, VA*

- NT Concepts is a leading national security solutions provider through Artificial Intelligence/Machine Learning, advanced analytics, and business operations.
- Assisted in developing a full stack web application for model explainability visualizations and metrics for ML models as part of the API/DB team in an agile environment.
- Constructed a **RESTful API** with fastAPI framework for integrating the data science and front-end developments using **python**:
  - Created and aided with over **5+** endpoints that involved more complex uses of nested schema models and **SQLAlchemy** (ORM) to query the database and tested using Pytest.
  - Cultivated API Contract design with front-end and our team to design an effective API for clean integration.
- Collaborated in designing and creating a PostgreSQL database:
  - Aided in design of the table/database schema for an efficient use of resources for data storage.
  - Utilized AWS **S3** buckets for pre-population of database with provided DS statistical functions.
- Presented a product pitch, as part of the 5 chosen from 17 interns, to a group of 20+ company executives (including CEO and founder) detailing the project we had worked on.

**Virginia Tech Computer Science**

**August 2022 (Present Job)**

*Undergraduate Teaching Assistant*

*Blacksburg, VA*

- Assisting students with homework and programming assignments in 3114 (Data Structures and Algorithms).

**Code Ninjas, Computer Programming Instructor**

**September, 2020 – August, 2021**

- Educated students in JavaScript, Roblox game development, mine-craft game development, 3D printing, and YouTube video creation.

## SKILLS

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- Java, C, Python, Linux Command Line, GitHub, Azure Devops, fastAPI, restful APIs, SQL, MIPS, unit testing, PostgreSQL, SQLAlchemy, advanced data structures

## PROJECTS

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- Covid Data Visualization Project - Incorporated data structures, flow charts, GUI programming, and Java to read, sort, and visualize COVID data for users based on their needs such as data by racial group.
- Image Annotation Dashboard: Collaborated to design a web-application that allows users to input a folder of images that can be annotated by drawing bounding boxes, classifying each box with labels, and exporting with user selected file format (COCO, CreateML, etc.) for each image to create deep learning training datasets.
- Fantasy Football League Website (In-Progress): Designing a website using React to allow Fantasy Football League users to get expanded data analysis of their league history, power rankings, and matchup predictions and to get tools such as lottery draft order and trade analysis (of future and past trades) using Sleeper API.