

Veda P. Yakkali

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EDUCATION

Rutgers, The State University of New Jersey

Rutgers School of Arts & Sciences

New Brunswick, NJ

Bachelor of Science, Computer Science

May 2025

Minor in Data Science & Economics | Dean's List (2021 – Present)

GPA: 3.78

- Coursework: Data Structures, Design and Analysis of Algorithms, Software Methodology, Discrete Mathematics, Principles of Programming Languages, Data Management, Computer Architecture

PROJECTS

Fortune 1000 Data Analysis | Python | Pandas | NumPy | Matplotlib | Seaborn

September 2024

- Accomplished insightful data analysis of Fortune 1000 companies using Python, leveraging Pandas and NumPy for data manipulation and statistical analysis, resulting in identification of key business trends
- Built comprehensive visualizations using Matplotlib and Seaborn to effectively communicate financial and operational insights leading to clear, data-driven decision-making

Formula One Fantasy | Java | Python | Pandas | PostgreSQL | ReactJS | Spring Boot

August 2024

- Designed a dynamic Formula One fantasy league platform that enables users to track and analyze match statistics, resulting in improved strategic insights and a more interactive fantasy experience
- Utilized Python and Pandas to scrape, merge, and clean race results and driver metrics datasets, ensuring alignment on shared keys and improving data accuracy through cleaning
- Implemented real-time data manipulation within a Postgres database through effective use of SQL queries, establishing a seamless integration with user-friendly ReactJS interface

Video Game Companies Data Analysis | R

March 2023

- Performed data analysis on video game companies using R, conducting statistical analysis and cleaning large datasets resulting in identification of industry trends and market share insights
- Developed data visualizations with ggplot2 to showcase revenue patterns, game genres, and company growth trajectories, leading to better understanding of key performance companies

LEADERSHIP / INVOLVEMENT

Rutgers University Research:

New Brunswick, NJ

Research Assistant

May 2024 – Present

- Investigating performance of YOLO (You Only Look Once), real-time object detection machine learning models on Nvidia Jetson Nano to find tradeoff between energy consumption, processing speed, and detection accuracy
- Utilizing Pytorch and OpenCV to design highly accurate fire detection system with tunable parameter for tradeoff to detect wildfires from video streams

Rutgers Enactus:

New Brunswick, NJ

Web Developer – New Beginnings

September 2022 – Present

- Coordinated with team developing a website made to provide opportunity for secure employment in JavaScript
- Secured \$50 of funding for the organization by attending the BNY Mellon Enactus Program created to improve students' entrepreneurship, leadership, and project management skills

Rutgers Data Science Club:

New Brunswick, NJ

DSC Datathon Participant

March 2023

- Obtained and organized data on the top video game companies from Kaggle using R-Studio
- Researched and created data charts and tables on specific companies to gather insightful analysis
- Performed hypothesis testing on gathered finding from analysis to make correlations between companies

CERTIFICATIONS

- AWS Certified Cloud Practitioner Certification - AWS August 2024
- Python Essential Training – LinkedIn Learning January 2024

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, HTML, CSS, TypeScript, SQL, C, R, PostgreSQL
- **Development Tools:** Git, Jira, Jupyter Notebook, Microsoft Office: Word, Excel, PowerPoint
- **Libraries/Frameworks:** ReactJS, NextJS, NodeJS, AWS, Pandas, NumPy, Spring Boot, Matplotlib, Seaborn