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

Formula One Fantasy | Java | Python | SQL | 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
- Engineered a comprehensive data scraping of match statistics using Python and Pandas, followed by dynamic manipulation and presentation of the data through a Spring Boot application
- Implemented real-time data manipulation within a Postgres database through effective use of SQL queries, establishing a seamless integration with user-friendly ReactJS interface

Real-Time Chat Application | TypeScript | ReactJS | TailWind CSS | NextJS | Supabase   March 2024

- Developed application enabling real-time messaging, facilitating smooth communication among multiple participants
- Utilized Supabase for scalable database management, ensuring efficient storage and real-time updates for user data and chat messages
- Integrated Supabase's secure authentication service with OAuth-based API authentication, restricted access to secure routes, and session management to ensure safe user sign-up, login, and data handling

Photo-Album Application | Java   October 2023

- Developed an Android application that allows users to efficiently manage and organize photos into albums, streamlining photo organization and access
- Engineered features for effortless storage, search, and filtering of extensive photo collections, resulting in optimized efficiency and an enhanced user experience

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
- **Development Tools:** Git, Jira, Jupyter Notebook, Microsoft Office: Word, Excel, PowerPoint
- **Libraries/Frameworks:** ReactJS, NextJS, NodeJS, AWS, Spring Boot, Pandas, Numpy