




Prajay Yalamanchili

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EDUCATION

University of Florida

Master of science in Computer Science

Jawaharlal Nehru Technological University Hyderabad

Bachelor of Technology in Computer Science

Aug. 2023 – May 2025

Current GPA: 3.77/4.0

July 2022

GPA: 8.55/10

EXPERIENCE

Cognizant | Programmer Analyst

Sept. 2022 – July 2023

- Designed and implemented AWS lambda functions for various business logic requirements and worked on AWS SAM. Ensured the code base was organized, readable and easily maintainable by following best practices and utilizing appropriate design patterns.
- Designed and implemented comprehensive test suites to guarantee the reliability of software solutions, achieving 100 percent code coverage
- Demonstrated proficiency in python programming, including the use of libraries like boto3 and frameworks such as fastAPI

Cognizant | Java Full stack Intern

Feb. 2022 – Aug. 2022

- Worked on a demo audit management system that automated the process of auditing for a leading supply chain management by building a website using angular on front-end and spring microservices for back-end
- Used spring security to secure end points and achieved average google pagespeed insights of above 90.
- Supervised a 4+ team members and was responsible for software deliverables

Future Ready Talent | Intern

Sep. 2021 – Dec. 2021

- Developed a CRUD application for storing student details using thymeleaf template on front-end and Java springBoot for back-end
- Deployed the application on Microsoft azure, utilizing services such as azure app service, azure MySQL for the database and azure blob storage for storing images

PROJECTS

National Economic Outlook | Flask, React, Oracle, Git, Visual studio Code

Sep. 2023 – Dec. 2023

- Team project for the Database Management System Course
- The National Economic Outlook aims to analyze various economic trends and indicators using real-world datasets, exploring key queries related to GDP, poverty, homelessness, unemployment, and income inequality in US states
- Designed and implemented a web-based user interface using React JS with multiple pages, including a dynamic dashboard, data visualization pages and admin login page
- Contributed to the development of the back-end using flask, leveraging its faster development time
- Collected various economic indicator datasets, contributing to a total record count of 750,000. Actively participated in data cleaning efforts as part of the team

IOT Devices Spam Detection using Random Forest | Scikit-learn, Numpy, Pandas, Matplotlib, Flask

Aug. 2022

- Built a machine learning model that identifies spam/anomalous data received by IoT devices
- The data set used for this model consists of 32 features and around 5000 rows of data
- Instead of using terminal/CLI, we developed a user-friendly website where the user can upload training data, train/test it, and can see the prediction
- The website also consists of a performance page that depicts correlation analysis and confusion matrix

SKILLS

Languages: Java, Python, JavaScript/TypeScript, HTML/CSS

Frameworks: Spring, FastAPI, Node.js, Angular, React

Databases: MySQL, Oracle

Tools: Maven, Git, Postman, SONARQube, Eclipse, IntelliJ, Visual studio