

# Aditya Sri Inukonda

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## EDUCATION

### George Mason University

Fairfax, VA

Bachelor of Science in Computer Science, **GPA: 3.51/4.0**

## EXPERIENCE

### Founder/Software Developer

Jan 2025 - Present

Personal Startup

Aldie, VA

- Developing food delivery platform tailored for niche Indian restaurants to reduce reliance on third-party services
- Integrated a cost-effective delivery system by partnering with local drivers and implementing an optimized route-planning algorithm.
- Conducting market research and customer validation by interviewing restaurant owners to understand pain points
- Building a full-stack web and mobile app using React Native, Node.js, and PostgreSQL

### Software Engineer Intern

Citi Bank

- Engineered a real-time stock monitoring system using JavaFX, Gradle, and YahooAPI to store 3,600+ Dow Jones prices per hour, displaying live updates every 5 seconds with a line graph (17.2k updates/day)
- Improved Citi's loan management and stock market risk reporting by creating UML state diagrams, researching machine learning models for credit risk assessment, and building a Java-based real-time risk visualization tool

### Software Engineer Intern

April 2024 – May 2024

Wells Fargo

- Drafted a detailed and accurate visual representation of the data as an entity relationship diagram (ERD)
- Used the IntelliJ developer application to implement the ERD structure efficiently and published it to GitHub
- Understood and analyzed relevant technical requirements for building a system to manage financial portfolios

### Teaching Assistant - College of Engineering

George Mason University

Fairfax, VA

- Led weekly lab sessions and provided support to help students debug and improve programming assignments.
- Instructed Java and Python to over 2,100 undergraduate students across 5 semesters, emphasizing code readability.

## PROJECTS

### Mini PhotoBooth App | *JavaScript, HTML/CSS, Git, Firebase, Netlify*

- Developed a web-based PhotoBooth application that allows users to take, customize, and download pictures.
- Built an interactive UI using HTML, CSS, and JavaScript, ensuring a smooth user experience.
- Deployed the app using Netlify and GitHub Pages, making it easily accessible online. Designed a simple backend using Firebase for image saving and sharing.

### Rewards Program | *Java, PostgreSQL, Springboot, Splunk, JMeter*

- Implemented necessary dependencies for web services and utilized RESTful API.
- Utilized PostgreSQL to store user data securely and tested and created logs/alarms using Splunk & JMeter

### Netflix Movie Recommender AI | *Python, Kaggle, NumPy, Streamlit*

- Processed 5000+ films from the TMDB database using cosine similarity on features such as genre, title, and cast.
- Created a movie recommender using Pandas and Sci-kit Learn to suggest 5 related movies based on a selected film.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, Git, SQL (Postgres), NoSQL, Firebase, JavaScript, MongoDB, HTML, Swift

**Frameworks:** React, Node.js, JUnit, FastAPI, Springboot, JMeter, Postman, Splunk

**Others:** AWS, Docker, JIRA, Excel, Linux / Linux

**Concepts:** Scrum, Agile, Artificial Intelligence, Cloud Computing, Frontend, Backend, REST API, Operating Systems, Databases, Sprints, Version Control, Unit Testing, Debugging, CI/CD Pipelines