

# Anjali Gupta

+16305423499 | anjaligupta0621@gmail.com | [linkedin.com/in/anjaligupta0621](https://www.linkedin.com/in/anjaligupta0621) | [github.com/anjaligupta0621](https://github.com/anjaligupta0621)

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## EDUCATION

### University of Florida, United States

**Master of Science(MS) in Computer Science, GPA: 3.83/4.0**

**January 2022 - December 2023**

*Courses:* Advanced Data Structures, Analysis of Algorithms, Software Engineering, Applied Machine Learning, Distributed Operating System Principles, Natural User Interaction, Computer and Network Security, Agile Project Management

### Jaypee Institute of Information Technology, India

**Bachelor of Technology in Computer Science and Engineering**

**July 2015 - June 2019**

*Courses:* Data Structures and Algorithms, Database Systems, Web Development, Artificial Intelligence, Data and Web Mining, Social Network Analysis, Fuzzy Logic and Neural Networks, Probability and Random Processes, Statistics.

## SKILLS

- **Programming:** Python, Java, C++, Erlang
- **Frontend:** React, React Native, JavaScript, HTML, Typescript, Redux, CSS, WordPress
- **OS:** MacOS, Windows, Linux
- **Databases:** MySQL, MongoDB, DB2, Firebase, SQLite
- **Backend:** Node.JS, Express.JS, Golang, Django
- **Tools:** Tableau, Informatica, Excel, Jira, ServiceNow, Trello
- **Cloud:** Salesforce, AWS, Microsoft Azure
- **Certifications:** Salesforce Certified Platform Developer-1; Data Science and Machine Learning Bootcamp; SQL-MYSQL for Data Analytics & Business Intelligence

## PROFESSIONAL EXPERIENCE

### UF CVM | Software Engineer (Research Consultant) | Florida, United States

**February 2024 - Present**

- Developing a deep learning model using Convolutional Neural Networks (CNN) to detect pain in goats.
- Utilizing VGG-16 to identify facial features of goats and making binary classification into categories - painful and non-painful.
- Researching a pain grimace scale for goats to identify the level of pain.

### UF Innovate | Software Engineer | Florida, United States

**April 2022 - June 2022**

- Developed and launched a web application that helped city administration manage and review construction designs, achieving a significant increase in efficiency by automating 80% of the manual review process.
- Utilized Material UI to design an intuitive user interface for the application, enhancing user experience and visual appeal.
- Spearheaded the implementation of document handling features in React.JS, enabling efficient file uploads, downloads, and management, resulting in a 30% reduction in document processing time and improved collaboration across teams.
- Exemplified Agile project management by organizing GitHub Issues, assigning tasks, and tracking progress across Sprints.

### Wipro Limited | Software Developer (Project Engineer) | India

**September 2019 - November 2021**

- Developed Python automation scripts that reduced manual effort by 20%, optimizing workflow and team productivity.
- Analyzed marketing campaign trends using DB2 database and harnessed Python libraries (pandas/numPy) to collect, preprocess, and manipulate data which resulted in enhanced insights for marketing initiatives.
- Crafted advanced SQL queries to effectively monitor various tools and applications within the FileNet system, ensuring smooth operation and optimal performance.

## PROJECTS

### SpendWise – React-Native | Node.JS | MongoDB | Express.JS | Git

**August 2023 - December 2023**

- Developed an all-inclusive expense management mobile app, enabling users to log, assess, and visualize daily expenses, providing effective expense management tools and user-friendly features.
- Integrated user profiles, budget logging, and visual representations, empowering users with categorized spending insights, aiming to provide budget analysis and assist in day-to-day financial management.
- Built efficient backend APIs utilizing Node.js and MongoDB, ensuring seamless data management and retrieval for scalable and responsive application.

### Cooking Assistant – React.JS | Python | Flask | Git

**January 2023 - April 2023**

- Constructed a web application, enabling real-time interaction between users and cooking videos using speech, resulting in enhanced user engagement and interactivity.
- Established advanced speech recognition to control video playback, indicate precise ingredient titration, and extract ingredients from recipe videos, improving user experience and convenience.
- Engineered Flask APIs to seamlessly retrieve and populate relevant information within the video feed, optimizing information flow and integration in the application.

### Picaboo: An Image Processing Application – Python | OpenCV | CNN

**January 2018 - May 2018**

- Developed an application with features such as Neural Style Transfer, Live Filters, basic photo editing capabilities, and a Face-swap feature.
- Implemented Convolution neural networks, specifically the VGG-16 network to apply one image's style to another image's content, and the Viola-Jones algorithm for face detection with 100% accuracy.