

Yash Goel

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EDUCATION

- **University Of Florida** Gainesville, USA
Master of Science - Computer Science, GPA 3.95/4
Courses: Machine Learning, Data Mining, Natural Language Processing
August 2022 - Present
- **Vellore Institute of Technology** Vellore, India
Bachelor of Technology - Electronics and Computer Engineering, GPA 9.18/10
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Database Management
August 2018 - May 2022

SKILLS SUMMARY

- **Languages::** Python, SQL, JAVA, C++, C, JavaScript, HTML, CSS
- **Databases::** MongoDB, PostgreSQL
- **Frameworks::** NumPy, Pandas, TensorFlow, NLTK, Node.JS, React.JS, Scikit, Keras, Torch, Spark, Teradata
- **Tools::** IntelliJ Idea community, PyCharm, Tableau

EXPERIENCE

- **Graduate Research Assistant** Gainseville, Florida
University of Florida
March 2023 - Present
 - Implemented a full-stack web application, to analyze users' day-to-day activities.
 - Utilized HTML, CSS, and React.js for front-end development, integrated D3.js library to render the processed data as a visually appealing tree structure.
 - Employed Flask and Node.js frameworks for server-side processing and API integrations.
 - Leveraged NLP and OpenAI API to analyze user input and utilized MongoDB as the backend database.
- **Data Analyst Intern** Delhi, India
The Sparks Foundation
May 2022 - August 2022
 - **Student Performance Analysis:** Developed and presented a supervised machine learning model to assess the performance of 1000 students based on study hours, achieving 94.81% accuracy.
 - **Machine Learning Classification:** Restructured an unsupervised machine learning classification technique to decategorize 320 Iris pictures into clusters, achieving 97.45% accuracy.

PROJECTS

- **User Interaction Data Visualization** - Python, NLP, Seaborn, HTML5, CSS3, JavaScript, Tableau
 - * Built a responsive website that utilizes log data to display results by forming connections in unlinked data.
 - * Created interactive plots and visualizations using Tableau, significantly improving data understanding by a factor of 100.
- **Sentiment Analysis of COVID'19 tweets in India** - Python, Scrapy, Matplotlib, NLTK, Natural Language Processing
 - * Designed a crawler to collect 179108 tweets and performed an opinion investigation of the data, involving dissecting the text and classifying them based on polarity. Achieved an accuracy of 97.14% in classifying user scores into one of 5 sentiments based on polarity scores.
- **Facial Expression Recognition Using Deep Learning** - Python, Pandas, Keras, OpenCV, Image Classification
 - * Implemented a robust facial expression recognition system using convolutional networks for face detection and rule-based processing.

CERTIFICATIONS

- Python Data Structures (University of Michigan)
- Using Python to Access Web Data and Databases (University of Michigan)
- SQL for Data Science (University of California, Davis)
- Data Wrangling, Analysis and AB Testing with SQL (University of California, Davis)

ACHIEVEMENTS & EXTRACURRICULAR

- Secured the Academic Achievement Award of \$4500 from the University of Florida for all-around-commendable performance in undergraduate.
- Served as the Secretary at The Fine Arts Club, directing a 25-member cross-functional team and successfully coordinating with multiple student clubs to launch an event attended by over 250 people.