**Annapa Reddy Koushik Reddy**

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# Graduate Student at University of Connecticut

Master’s student at the University of Connecticut majoring in Business Analytics and Project Management with a minor in Data Science. Previously worked at FactSet Research Systems Inc’s Content Engineering Department, where I solved various client queries and worked with stakeholders. Experienced working with Python and C# applications, SQL and in AWS cloud services.

# Education

University of Connecticut, USA  
MS in Business Analytics and Project Management, Expected Graduation May 2024

GITAM University, India  
BTech in Computer Science, Graduated 2020

# Technical Skills

**Programming Languages**: Python | JavaScript | R | Java | C | C# | C++ | HTML | CSS | Bootstrap   
**Libraries**: Django | NumPy | Pandas | Matplotlib | Seaborn | Sci-Kit Learn | Keras | TensorFlow  
**Database**: MySQL | PostgreSQL | SQLite

**Others**: Statistics | Web Application Development | Data Structures | Algorithms | Machine Learning

# Work Experience

*FactSet Research Systems In*c, Hyderabad | Software Engineer | 03/2021 – 06/2022

* Executed on-call engineering responsibilities, maintained client feeds, participated in stakeholder meetings
* Engineered content pipeline through optimization by transforming data architecture
* Upgraded applications and data feeds with Python and C#
* Formulated content pipeline in AWS cloud to boost the performance by more than 50%

*Kenexoft Technologies*, Hyderabad | Software Engineer Intern | 08/2020 – 10/2020

* Managed a group of interns as Team Lead for a project that assists in hiring employees and presented demos to multiple clients
* Developed an NLP model with text vectorization techniques, which reduced the effort to search for a required candidate by 25%
* Integrated an interface to NLP model with python application in flask environment

*Fountane Labs*, Hyderabad | Data Science Intern | 05/2019 – 06/2019

* Visualized and cleaned eye patient’s data obtained from Kumbh mela (Indian festival)
* Built a supervised machine learning model to predict diagnosis of an eye patient with an accuracy of 82%
* Accelerated retrieval of patient’s information by 4 times by building a chatbot and integrating it into the client’s website

# Projects

[*NBA Analysis and Prediction*](https://github.com/AKoushikReddy/NBA-Analysis-and-Prediction)**:**

* Aggregated and prepped 21 years of MVP votes, players and teams’ data from basketball-reference using Beautiful Soup and selenium in python
* Predicted top 5 MVP players with Random Forest model for the next consecutive years
* Obtained an accuracy of 88% with a custom error metric that helps improve the model performance

# [*Attendance using Face Recognition*](https://github.com/AKoushikReddy/AttendanceUsingFaceRecognition)*:*

* Image recognition Model in python which can be used to mark attendance without human effort in schools and organization
* Model detects and captures faces from Images with OpenCV in python and haarcascade xml model
* Built a classification model on top of existing Facenet Model in Keras, obtained an accuracy of 88.4%

[*Safe Home Surveillance*](https://github.com/AKoushikReddy/Django-WebApplication-2)*:*

* Developed a Django application to facilitate user accounts with login feature, modeled with SQLite database
* Used to manage, track and report security system in households
* Applied Django ORM techniques and integrated Django-Middleware for website security

*Pygames with Python:*

* Redesigned Alien Invasion game with PyGames Library