

KESAV S J

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Education

UCD Michael Smurfit Graduate Business School, Dublin, Ireland
Master of Science in Business Analytics

Sep 2023 - Aug 2024

Key Modules Include: Optimization in Business, Statistical Methods, Programming for Analytics, Data Mining

Sri Venkateswara College of Engineering, Chennai, India
B. Tech (Information Technology) (Achieved 8.38/10)

Aug 2019 – Jun 2023

Key Modules Include: Big Data Analytics, Statistical analysis using R programming, Blockchain for Business, IOT and Machine learning.

Work experience

AskTrabaajo Pvt Ltd (Chennai), AI ML Developer - Intern

Dec 2020 - Feb 2021

- Collaborated with senior management to build a **Recommendation system**.
- Utilized location and skill-based Analysis in python on a live project to predict suitable candidates for employers to hire.
- Made use of Git to communicate with co-workers while developing the system.

Projects

Football Match Prediction

Dec 2023 – Jan 2024

- Utilized web scraping techniques with **BeautifulSoup** to extract relevant Premier League match data, including results and shooting statistics, from the Fbref website.
- Employed Pandas and NumPy for data preprocessing, constructed a predictive model using the **Random Forest** Machine Learning algorithm.
- Improved the accuracy and precision of the model by incorporating additional features derived from rolling averages.

Fitness Tracker

Jan 2023 – May 2023

- Engineered an application utilizing **MediaPipe Pose Classification** for exercise performance evaluation, incorporating real-time user coordinate tracking.
- The application accurately calculates scores impressive single-pose live-scoring at **92.67%** and multi-pose live-scoring ranging from **95.11% to 95.98%** across multiple repetitions.

Employee Attrition Analytics

Nov 2022 – Jan 2023

- Led a team in collaboration with IBM, focusing on Employee Attrition Analytics.
- Leveraging IBM Cognos for advanced data visualization

Personal achievements

- Awarded in the Ease the Error Hackathons by IETE Chennai Centre (Sep 2020 and May 2021).
- Awarded **third place** in a 24-hour online Industry associated inter-college level Hackathon organised by the Department of Information Technology.
- Selected for incubation and secured a **10,000 INR seed fund** from Mr. Sivarajah Ramanathan, the Mission Director & CEO of the Tamil Nadu Startup and Innovation Mission, during a pitching event hosted by **Entrepreneurship** Promotion and Incubation Centre (EPIC) at Sri Venkateswara College of Engineering.

Skills

Languages and frameworks: Python, Pandas, Numpy, Matplotlib, Langchain, TensorFlow, Pytorch, Django

Machine learning: Linear regression, Logistic Regression, KNN, Randomforest, Naive bayes, SVM, PCA, Hierarchical clustering

Data Visualization: Excel, Tableau, Power BI

Database: PostgreSQL, MongoDB, MySQL, redis, Qdrant