Ugesh Vayugundla

ugeshv@alum.iisc.ac.in | yugeshv41@gmail.com | +91 8309496275

Education

IISC
MTECH
Aug 2021 | Banglore

CBIT
BTECH
May 2017 | Hyderabad

JNV
May 2012 | Nellore

Links

LinkedIn:// **ugeshv**
Twitter:// **ugeshv**
Blog:// **cv_in_finance**

Coursework

GRADUATE
Advanced calculus
Applied statistics and design of experiments
Machine Learning

Skills

PROGRAMMING
Experienced:
Python
Intermediate:
Shell scripting • MySQL

Cloud:
AWS:
S3 • SageMaker • AutoML
GCP:
BigQuery • Dataflow
Cloud Composer

Tools/Frameworks:
Dash • FastAPI
streamlit
PySpark
Airflow
TensorFlow
Power BI

Achievements

98.1 percentile GATE 2019
97.6 percentile JEE Mains 2013

Work History

Acuity knowledge partners | DATA SCIENTIST
Jan 2022 - Present | Banglore, India

- Developed and deployed an end-to-end NLP tool for sentiment analysis, including a web app built with FastAPI, to analyze earnings call transcripts and news articles using state-of-the-art models such as FinBERT and other LLMs (i.e., OpenAI Davinci).
- Designed and implemented an ETL pipeline using Python to analyze the performance of various equity funds for a leading private equity firm, demonstrating expertise in handling large datasets and extracting valuable insights.
- Leveraged Python to develop data mining pipelines to identify optimal trading times for several ETFs using intraday orders data, contributing to informed trading strategies.
- Optimized ETL data pipelines using multi-threading, achieving a 60 percent reduction in processing time, and successfully loaded extracted data to Google Cloud Platform (GCP) BigQuery.

Aditya Birla Group | DATA SCIENTIST
Sep 2021 – Dec 2021 | Banglore, India

- Conducted independent research to gain expertise in deep learning techniques, including transfer learning and fine-tuning, enabling the execution of computer vision tasks.
- Leveraged TensorFlow object detection API to develop detection models, such as person and vehicle detection models, currently deployed in various locations, including offices and manufacturing plants, to enhance security measures and promote safer working environments.
- Contributed to the development of advanced computer vision solutions that have a direct impact on safety and security operations.

Infosys Ltd | DATA ANALYST
Jun 2017 – Nov 2018 | Banglore, India

- Designed and implemented data pipelines to ingest data from IBM DB2 databases.
- Developed a rule-based tool for financial data analysis, extracting insights and generating financial commentary.
- Automated seventy reports for an internal investment team, saving significant time and effort.
- Demonstrated strong programming and analytical skills through projects and assignments in Python, DBMS, and Linux environments. Successfully collaborated with a team to develop a movie ticket booking module.

AI/ML Case studies

Deep learning

- Hands-on assignments to learn and implement object detection, facial recognition, and neural style transfer.
- Performed trigger word detection, speech recognition, and machine translation.

Practical data science on the AWS cloud

- Built classification models on Amazon product review dataset with the help of balzingtext and bert models, that predicts whether a user review is positive, negative, or neutral.