

Harsh Gupta

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EXPERIENCE

Tata Consultancy Services | Data Scientist

June 2022 – Present | New Delhi, India

- Responsible for Extract Transform Load cycle (ETL) for the raw tickets and events data ranging from data preprocessing, data merging, building data pipelines and data visualization for business understanding.
- Collaborated with team, building POC for healthcare, retail units for solving different problem using Machine Learning solutions.
- Agile Process ensuring the team's forecasts are informed and realistic.

Tata Consultancy Services | Software Developer

September 2020 – May 2022 | New Delhi, India

- Understand the technical, operational and business context of the team's area and of the customer persona we build for.
- Responsible for delivering high quality features and taking action to resolve issues found in production.

PROJECTS

Monitoring System | TCS

- Building a chat application using **RAG** and having parsing, reader and retrieval in place which helps in **real time troubleshooting and installation** based on the knowledge source provided to LLM.
- Analyzed and classified historical ticket and events data, accelerating troubleshooting and **issue resolution by 50%**. Also, played a pivotal role in crafting a web application using a streamlit package to showcase various trends and reports
- Built prediction model for device failure using various device performance metrics using machine learning algorithms like random forest, xgboost also leveraged time series algorithms which further helped in finding outliers.

Automation and Deployment | TCS

- Created scripts for automation of VNF(Virtual Network functions) file generation and deployment process, achieving a 40% reduction in process time.
- Building end-to-end server-client interface using Java framework, also introduced an android app to test all the required use case scenarios.

Personal Project

Skin Cancer Detection

- Developed an image classification model on a dataset containing nine types of significant skin cancer images. Employed transfer learning on the CNN layers, achieving an impressive 94.1% validation accuracy. Utilized TensorFlow-Keras for the implementation.

Stock Price Prediction

- Actively utilized different types of moving average-based models, to analyze and visualize trends in various stocks. Recognized for the ability to effectively utilize stock data to generate meaningful insights and predictions.

SKILLS

PROGRAMMING

Python • Data ETL • NLP • Plotly
Neural networks • Pandas • Sklearn
Pyspark • RestAPI • LLM • SQL
• Langchain

TECHNOLOGY

Git/Gitlab • Jira • Rally • Jupiter Notebooks
• VS-code • Databricks • AWS S3
UNIX • Windows

EDUCATION

MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY|AKTU, Lucknow

Bachelor of Technology in

Computer Science

2016-2020 | Meerut, B.tech Cum. GPA: 8.5 / 10.0

Authored a [research paper](#) on the application of deep learning models to detect skin cancer which was published in a major journal.

LINKS

[Linkedin](#), [Web Portfolio](#)

