

# Devesh Prasad

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## EDUCATION

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### The University of Manchester

**M.Sc. Data Science (First Class (2:1))**

**Manchester, UK**

**Sept 2022 – Oct 2023**

○ (Multiple Russell Group UK Scholarship > £13,500+) Machine Learning & Statistics (Python - OOP, Matplotlib, NumPy, Pandas, SciPy & ML Models) Databases (SQL- NoSQL - Pymongo - MongoDB, Schema & ER Design) + AI & Finance.

### University of Delhi

**B.Sc. Statistics (H) (GPA- 8.98/10)**

**New Delhi, India**

**July 2019 – June 2022**

○ Probability distributions, Design of Experiment, Linear Models, Statistical Inference, SQC, SPSS, R Programming, Python, Stochastic Processes, Time Series Analysis, Multivariate Analysis, Financial Statistics.

## WORK EXPERIENCE

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### Grant Thornton UK

**Manchester, UK**

**Nov 2023 - Present**

**Data Scientist (Consultant)**

- Implemented automation for over 5,000+ hrs of manual tasks across internal teams - Audit, resulting in savings of more than £100,000+ and reducing time and cost by 99% for the firm. Developed a Python-based RAG algorithm independently incorporating OpenAI-LLM and Azure Document Intelligence to replace manual processes. Collaborated to automate multiple projects across multiple teams saving more than £1,500,000+ & 5000+ hrs.
- Build Python scripts for Accurate Data Extraction using RAG (Retrieval Augmented Generation) Infrastructure comprising of Azure Document Intelligence-ADI, OpenAI LLMs, GPTs, Semantic Chunking – LangChain.
- Developed Interactive Dashboards using Low Code/No Code Tools like PowerBI, Tableau, KNIME, & Alteryx.

### Be.EV

**Manchester, UK**

**Jan 2023-Jun 2023**

**Data Scientist – MSc Student**

- Analysed public and private EV datasets to assess the impact of charger location proximity on utilization and identify additional influencing factors, providing future recommendations. Led a team of 4 MSc students in designing the project roadmap with The University of Manchester. ChargerType - Fast had a huge impact on consumption among all factors.
- Tech: Python, Data Cleaning, EDA, GIS, Correlation, Prediction, Time Series, Modelling – OLS, Regression, XGBoost.

### Alcrowd, Switzerland

**Remote**

**Jul 2021 - Aug 2022**

**Software Developer (Internship)**

- Enhanced a grading web application for 57,000+ users, optimizing it by resolving bugs and converting Figma designs into responsive, effective and low latency frontend code. Worked on multiple tech stacks including HTML, CSS, React/Next/Typescript JS, Bootstrap, Git/Gitlab, Web Development, and Machine Learning/AI.

## PROJECTS

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- **GITHUB:** Multiple Software, Data Analytics & Visualization repositories. ([github.com/deveshprasad](https://github.com/deveshprasad))
- **TABLEAU:** Interactive Dashboards ([public.tableau.com/profile/devesh5578#!/](https://public.tableau.com/profile/devesh5578#!/))
- **ML Model:** Sales Prediction - XGBoost & Random Forest ([Rossmann Sales Analysis](#))

Predicted 6 weeks of daily sales with 100,000+ data points by fully pre-processing historical data, including integration, visualization, cleaning, and transformation. Key steps involved missing data imputation, EDA, and model fitting using XGBoost and Random Forest to assess feature importance. Similar e.g.: ([Diabetes Prediction](#))

## TECHNICAL SKILLS

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**Programming & Development:** Python (NumPy, Pandas, Scikit), KNIME (Level 2 Certified), R, SQL, Bash, Git, GitHub, Alteryx, SAS, SPSS. **Data Analytics & Visualization:** Tableau (Basic & Advanced Analytics), PowerBI, Data Cleaning (Python, Regex), Data Extraction, Interactive Dashboards, Statistical Modelling. **Machine Learning & AI:** ML Modelling, Natural Language Processing, AI, Prompt Engineering (OpenAI APIs, GPT-3.5, 4, 4o; ChatGPT, Generative AI), Azure Form Recognizer, RAG (Retrieval Augmented Generation), Semantic Chunking, LangChain.