

Varundeepak B A

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SUMMARY

MSc Data Science graduate with hands-on experience applying analytics, machine learning, and data storytelling to business problems. Skilled in turning messy datasets into insights through EDA, predictive modelling, and interactive dashboards. Industry experience around 2 years supporting analytics workflows through data engineering fundamentals - ETL, data validation, SQL optimisation - providing a strong foundation for scalable, high-quality data for analysis and ML. Focused on Data Science/Analytics roles involving modelling, insights generation, dashboarding, and business impact. Holding a UK Graduate Visa valid until 09/12/2026 (no sponsorship required until this date)

SKILLS

Data Analysis & Visualization: SQL, Excel, Tableau, Qlik Sense, Power BI, Dashboarding, Data Storytelling, Stakeholder Communication

Data Science & Machine Learning: Python (pandas, NumPy, scikit-learn, matplotlib), Feature Engineering, EDA, Predictive Modelling (Regression & Classification), Unsupervised ML, Time Series, Hugging Face (NLP), Model Evaluation

Data Engineering Foundations: ETL, AWS (S3, RDS, Glue, Redshift), PostgreSQL, Snowflake, BigQuery, Databricks, PySpark, Data Warehousing, Data Cleaning

EXPERIENCE

Qlik Sense Intern

April 2024 – Jun 2024

SmartInternz

India

- Built interactive Qlik Sense dashboards that revealed key factors contributing to road accidents in India, enabling targeted safety recommendations
- Developed a data-driven storytelling presentation that transformed 10,000+ accident records into actionable insights, receiving top assessment scores

Programmer Analyst (Trainee)

Jan 2022 – Feb 2023

Cognizant

India

- Promoted from Trainee to Analyst in Jan 2023
- Worked on Power BI dashboard components that consolidated data from multiple sources to identify KPIs and analyse trends, providing actionable insights
- Collaborated with on-site and offshore cross-functional business stakeholders to design analysis approaches and deliver data-driven solutions
- Implemented staging tables and optimised data warehouse models that improved data ETL and migration performance by 25%
- Worked on data pipelines across AWS services (S3, RDS, Glue) to reduce manual processing by more than 50%

Associate Analyst

Aug 2021 – Dec 2021

Rudder Analytics

India

- Processed and analysed 1M+ daily records, identifying data quality issues and behavioural patterns impacting client reporting
- Improved dataset accuracy through handling of missing and inconsistent values, supporting stronger analytical outcomes
- Collaborated with BI teams to prepare datasets for dashboarding and trend analysis using SQL, Excel and ETL processes
- Engineered complex SQL logic across multiple systems to support analytical workflows and client insights delivery
- Learned concepts and tools such as Snowflake, BigQuery, Machine Learning, Talend etc.

Machine Learning Intern

Jun 2019 – Jul 2019

Smartbridge Educational Services

India

- Developed breast cancer prediction model, achieving 95% accuracy using Python and scikit-learn
- Deployed a real-time diagnostic application with IBM Watson and Node-RED

EDUCATION

University of Edinburgh

M.Sc - Data Science

Edinburgh, UK

Sep 2023 – Aug 2024

- Achieved 2:1 (Merit)
- Related Courseworks include Applied Machine Learning, Fundamentals of Data Management, Introduction to Databases, Advanced Database Systems, Case Studies in AI Ethics and a module in Human Resource Management to understand HR practices
- Dissertation Title: A Usability Study of Marked Types in Postgresql - Involves having users test an implementation of "Marked Nulls" and getting their feedback/opinion, and analysing them to improve the feature, enabling deriving actionable insights

Sona College of Technology

Bachelor of Technology (B.Tech) - Information Technology

Salem, India

Aug 2017 – May 2021

- CGPA of 9.28/10 (First Class with Distinction)
- Final Project: Full Stack SAP-based ERP System

PROJECTS

Rossmann Store Sales Forecasting

Time Series Forecasting

Python, pandas, ARIMA, SARIMA, Prophet

- Designed an end-to-end time series forecasting solution to model Rossmann retail sales using ARIMA, SARIMA, and Prophet, merging 1M+ transaction records for 1,115 stores with store metadata, promo schedules, holidays, and competition details
- Performed comprehensive EDA including trend and seasonal decomposition, stationarity tests (ADF), calendar feature extraction, promo uplift measurement (~40%), and weekly/yearly demand pattern analysis
- Identified SARIMA as the best-performing model (MAPE ~3.4%), while Prophet provided interpretable components showing weekend peaks, December spikes, and strong promo-driven lifts

Amazon Review Sentiment Analysis App

Natural Language Processing (NLP)

Python, Hugging Face Transformers, Gradio, pandas

- Worked on the project end-to-end from ideation to deployment, including data preprocessing, modelling, and implementation
- Built an interactive sentiment analysis application for Amazon product reviews
- Integrated a Hugging Face RoBERTa model to classify reviews as positive, negative or neutral
- Enabled both single review input and CSV file upload with downloadable predictions using Gradio
- Deployed the application to Hugging Face Spaces for public access

Sample Superstore Business Dashboard

Data Visualization & Business Intelligence

Tableau

- Designed and developed an interactive Tableau dashboard using the Sample Superstore dataset
- Created KPIs to track sales, profit, and order trends across regions, categories, and time periods
- Implemented filters, parameters, and drill-downs for improved interactivity and insights
- Published the dashboard to Tableau Public for online access and sharing

Qlik Analysis of Road Safety in India

Data Visualization & Analytics

Qlik Sense

- Analysed the causes/patterns of road accidents in India, combining data from multiple datasets to find insights
- Created interactive dashboards that would show different visualizations based on user selected conditions

CERTIFICATIONS

- Google Data Analytics - Google on Coursera
- Tableau Desktop Specialist
- Microsoft Certified: Azure Data Fundamentals
- Microsoft Certified: Azure AI Fundamentals
- Microsoft Certified: Azure Fundamentals
- Microsoft Technology Associate: Introduction to Programming using Python