

Varundeepek 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

India

SmartInternz

- 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

India

Cognizant

- 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

India

Rudder Analytics

- 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

India

Smartbridge Educational Services

- 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
<ul style="list-style-type: none">• 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 <i>Bachelor of Technology (B.Tech) - Information Technology</i>	Salem, India Aug 2017 – May 2021
<ul style="list-style-type: none">• CGPA of 9.28/10 (First Class with Distinction)• Final Project: Full Stack SAP-based ERP System	

PROJECTS

Rossmann Store Sales Forecasting <i>Time Series Forecasting</i>	<i>Python, pandas, ARIMA, SARIMA, Prophet</i>
<ul style="list-style-type: none">• 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 <i>Natural Language Processing (NLP)</i>	<i>Python, Hugging Face Transformers, Gradio, pandas</i>
<ul style="list-style-type: none">• 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 <i>Data Visualization & Business Intelligence</i>	<i>Tableau</i>
<ul style="list-style-type: none">• 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 <i>Data Visualization & Analytics</i>	<i>Qlik Sense</i>
<ul style="list-style-type: none">• 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