Varundeepak Babu Ananthi

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SUMMARY

Result-driven MSc Data Science Graduate from the University of Edinburgh with proven Data background. Eager to leverage technical foundation in ETL processes, data validation and warehousing, and data analysis knowledge to deliver immediate impact as an Analytics/Data Science professional. Currently holding a UK Graduate Visa (PSW) valid till 9 December 2026, allowing unrestricted right to work in the UK

SKILLS

Data Analysis & Visualization: SQL, Excel, Tableau, Qlik Sense

Programming & Data Science: Python (pandas, NumPy, scikit-learn, matplotlib, seaborn), R

Databases & Cloud: PostgreSQL, Snowflake, BigQuery, AWS (S3, RDS, Glue)

Other: Machine Learning, Data Analysis, Data Science, ETL, Data Cleaning, Git, Communication

EXPERIENCE

QlikSense Intern   April 2024 – Jun 2024
SmartInternz   *India*
- Created 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   Jan 2023 – Feb 2023
Cognizant   *India*
- Implemented staging tables and optimised data warehouse models that improved data ETL and migration performance by 25%
- Collaborated and communicated with the on-site team to understand and work on this project, improving project-working, planning and communication skills

Programmer Analyst Trainee   Jan 2022 – Jan 2023
Cognizant   *India*
- Automated data pipelines across AWS services (S3, RDS, Glue) that reduced manual processing by more than 50%
- Developed Power BI dashboards that consolidated data from multiple sources, providing actionable insights

Associate Analyst   Aug 2021 – Dec 2021
Rudder Analytics   *India*
- Managed daily ETL processes handling 1 million+ records between cloud systems with 99.9% accuracy
- Validated 1 million+ records every day using advanced Excel capabilities
- Efficiently handled "missing information" during data migration and in data warehouses using SQL
- Engineered complex SQL queries with multi-table joins
- Trained in concepts and tools such as Snowflake, BigQuery, Machine Learning, etc.

Machine Learning Summer Internship   Jun 2019 – Jul 2019
Smartbridge Educational Services   *India*
- Developed breast cancer prediction model, achieving 95% accuracy using Python and scikit-learn
- Deployed machine learning application to IBM Watson and built a web interface using Node-RED, enabling real-time diagnostics processing

EDUCATION

University of Edinburgh   Edinburgh, UK
M.Sc - Data Science   *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   Salem, India
Bachelor of Technology (B.Tech) - Information Technology   *Aug 2017 – May 2021*
- CGPA of 9.28/10 (First Class with Distinction)
- University Topper (2nd Rank in a cohort of 100)
- Final Project: Full Stack SAP-based ERP System

PROJECTS

Amazon Review Sentiment Analysis App
Natural Language Processing (NLP)   *Python, Hugging Face Transformers, Gradio, pandas*
- 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

Churn Prediction Model
Predictive Analysis   *Python, pandas, scikit-learn, XGBoost, matplotlib, seaborn*
- Built a classification model to predict customer churn with 80%+ accuracy using gradient boosting techniques
- Conducted feature engineering and preprocessing on 5K+ customer records
- Evaluated performance with confusion matrix and ROC-AUC score

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 Technology Associate: Introduction to Programming using Python