AKSHAYA V

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PROFILE

Data Analyst with hands-on experience in business intelligence tools and data visualization, gained through an internship at iDatalytics. Proficient in Python, Power BI, SQL, and advanced data analysis techniques. Currently pursuing a Master's in Computer Science with a specialization in Data Science, eager to apply analytical skills to inform strategic business initiatives and improve overall performance. Enjoys exploring creative ways of graphic design to present information engagingly when not analyzing data.

EDUCATION

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY — **Kochi, Kerala**
Master of Science in Computer Science with Specialization in Data Science — **Jul 2023 – May 2025**
GPA: 8.35/10

CALICUT UNIVERSITY (MERCY COLLEGE) — **Palakkad, Kerala**
Bachelor of Science in Computer Science — **Jun 2020 – Apr 2023**
CGPA: 7.68/10

HIGHER SECONDARY EDUCATION — **Palakkad, Kerala**
Kanikkamatha Convent E.M.G.H.S.S. — **Jun 2018 – May 2020**
CGPA: 8.92/10

HIGH SCHOOL EDUCATION — **Palakkad, Kerala**
Kanikkamatha Convent E.M.G.H.S.S. — **Jun 2017 – May 2018**
CGPA: 9.5/10

SKILLS

Technical Skills: Python, SQL, Machine Learning, Deep Learning, Data Modelling, NumPy, Pandas, Microsoft Power BI, MySQL Workbench, Microsoft Excel, Pivot Tables, Lookups, Advanced Analytics, Business Intelligence
Soft Skills: Conflict Resolution, Collaboration, Communication, Leadership, Resilience
Languages: Fluent in English, Malayalam; Conversational Proficiency in Hindi, Tamil

WORK EXPERIENCE

Thomsun Infocare — **Infopark Phase 2, Kochi, Kerala**
Data Science Intern — **Dec 2024 – Present**

- Analyzed over 3.7 million rows of confectionery sales data using Python, and time series techniques to identify trends, seasonality, and anomalies.
- Implemented and compared forecasting models including ARIMA, SARIMA, Prophet, XGBoost, Random Forest, and Linear Regression, achieving interpretable and scalable predictions.
- Identified seasonal patterns and anomalies in historical sales data, enabling proactive decision-making to optimize revenue during low-demand periods.
- Provided data-driven insights that influenced pricing and inventory decisions, reducing stockout rates by 10% and improving sales performance in underperforming regions by 12%.
- Initiated groundwork for a follow-up module on Inventory Optimization based on predictive outputs.

iDatalytics — **Infopark Phase 2, Kochi, Kerala**
Data Analyst Intern — **Apr 2024 – Aug 2024**

- Conducted in-depth data analysis and visualization using Power BI, Tableau, and SQL to identify inefficiencies, increasing operational efficiency.
- Designed and implemented a Power BI Inventory Analysis Dashboard, using historical data and advanced metrics to monitor stock levels and optimize inventory management and presented insights and reports to senior leadership to support strategic decision-making.
- Automated complex data extraction and transformation using SQL scripts and stored procedures, cutting manual effort by 40% and increasing data accuracy significantly.

PROJECTS

- Predictive Analytics for Revenue Forecasting and Sales Optimization- GitHub

  - Developed time series models (ARIMA, SARIMA, Prophet, Linear Regression, Random Forest, XGBoost) to forecast sales and revenue for a confectionery ERP system, using historical invoice data. Identified trends, seasonality, and anomalies to support strategic decision-making.
  Technology Used: Python 3, NumPy, Pandas, scikit-learn, seaborn, matplotlib, statsmodels, XGBoost, Facebook's prophet

- Inventory Analysis Dashboard using Power BI and Microsoft Excel- GitHub

  -a Power BI project designed to create a comprehensive dashboard for managing and analyzing supply chain inventory data. The dashboard provides insights into inventory levels, demand forecasting, supplier performance, and more. It is a powerful tool for optimizing supply chain operations and ensuring efficient inventory management.

- House Loan Dashboard using Power BI- GitHub

  -a Power BI project designed to create a comprehensive dashboard for managing and analyzing house loan data. The dashboard provides insights into loan distribution, repayment status, borrower demographics, and more.

- Anomaly Detection in Surveillance Systems using Deep Learning- GitHub

  -a 3D Convolutional Neural Network (CNN) model built with TensorFlow and Keras. The system processes video input, detects anomalies, and can trigger an alert (e.g., playing a sound) when an anomaly is detected. The model is trained on a labeled dataset of surveillance videos to distinguish between normal and anomalous events.
  Technology Used: Python 3, TensorFlow, Keras, OpenCV, NumPy

CERTIFICATES AND ACHIEVEMENTS

- **Data Analytics with BI –** Rounded Professional Program (RP2)
- **SQL (basic) –** Hackerrank

EXTRACURRICULAR ACTIVITIES

- Presented Powerpoint presentations in various school programs.
- Won third prize in district-level Powerpoint presentation competition in 2020.
- Contributed by designing brochures, posters and coordinating events for the Techfest conducted in December 2022.
- **National Service Scheme (NSS) Volunteer**: Engaged in community service projects focused on health, education, and environmental awareness, enhancing teamwork and leadership skills while promoting social responsibility.