Swetha Sebastian

Gmail · Portfolio · 07521243386 · LinkedIn · GitHub

Objective

Recent Master of Science in Computer Science graduate from the University of Bath, seeking to leverage my academic background and project experience in data analysis, statistical modeling, and machine learning to contribute effectively as a Junior Data Analyst. Passionate about deriving actionable insights from data and eager to apply my skills in a dynamic team environment.

Education

University of Bath, Bath, UK

Master of Science in Computer Science   Expected March 2025

- **Grade:** Upper Second-Class Honours (2:1)
- **Relevant Coursework:** Machine Learning, Data Structures & Algorithms, Software Engineering and Systems Design, Human-Computer Interaction.
- **Research Project Dissertation:** Optimising Algorithmic Trading using Reinforcement Learning and Sentiment Analysis.

Technical Skills

Programming Languages: Python, R, SQL, Java
Data Analysis Tools: Excel (Advanced), Tableau, Power BI
Machine Learning: Scikit-learn, TensorFlow, Keras
Databases: MySQL, PostgreSQL, MongoDB
Development Tools: Git, Jupyter Notebook, VS Code
Other: Agile Methodologies, Statistical Analysis, Data Visualization

Projects

Portfolio Website— React, HTML/CSS, JavaScript, GitHub Pages➔
Developed a responsive personal portfolio website to showcase software projects and technical skills. Utilized Create React App to bootstrap the project, employing advanced CSS for modern, responsive styling. Integrated React for dynamic content management and ensured seamless deployment through GitHub Pages.

Youtube Transcribe and Translate Web Application- React, Node.js, Express.js, Docker, PayPal API➔

Developed a web app to transcribe and translate YouTube videos using React for the frontend, and Dockerized Node.js and Express.js for the backend. Integrated PayPal API for payments and deployed the frontend on GitHub Pages, with backend API hosted on Render.

Weather App — Java, GUI Design, API Integration ➔
Designed a user-friendly weather application using Java Swing and RESTful services from OpenWeatherMap API.

Movie Recommendation System — Python, Machine Learning, Jupyter Notebook ➔
Developed a machine learning model to recommend movies based on user preferences with an 85% user satisfaction rate.

Certifications ➔

- Microsoft Certified(12x): Azure Solutions Architect, Azure Fundamentals, Azure Database
- AWS Certified: Solutions Architect, Cloud Fundamentals

Work Experience

Perkins Engines — Invoice Data Analyst   **Feb. 2022 – Present**
Optimized document processing systems to reduce errors by 25% and improve
operational efficiency through data validation and workflow enhancements.

Sitel Group — Calls Quality Analyst   **2021 – 2022**
Managed data analysis of communications during the COVID-19 pandemic,
supporting critical health management and patient care.

Soft Skills

Effective problem-solving, strong team collaboration, adaptability in fast-paced environments, meticulous attention to detail.