SARTHAK KASTURI

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EDUCATION

University of Bristol **Bristol, United Kingdom**
MSc, Data Science *Sept 2024- Sept 2025*

Punjab Engineering College **Chandigarh, India**
BTech, Mechanical Engineering *Jun 2018 - Jun 2022*

WORK EXPERIENCE

Associate Consultant **Bangalore, India**
Oracle Financial Services Software *Jul 2022 - Jul 2024*
- Led the end-to-end implementation of the Universal Banking System for clients across multiple Lines of Business (LOBs), achieving a high client satisfaction rate and ensuring minimal downtime (<5 hours), managed client requests, and built strong stakeholder relationships
- Developed a Data Migration Utility tool and data pipeline, which resulted in a 20% reduction in average migration time, enhancing overall project efficiency and client delivery timelines
- Designed custom reporting solutions and enhancements for Bills and Letter of Credit modules reducing manual reporting efforts by 25%

Operations and Project Management Intern **Hyderabad, India**
Fourth Partner Energy Private Ltd. *Jan 2021 - Jun 2021*
- Directed efforts of 9 departments and implemented strategies for 1MW incoming projects achieving a 10% reduction in project delays
- Compiled, modelled, and restructured data enabling management to make informed decisions and improve project efficiency by 17% and cut operational delays by 14%

PROJECTS

Portfolio Construction and Risk Analysis :
- Designed a portfolio analysis tool in python to evaluate investment performance across portfolios, calculating metrics such as Sharpe Ratio (up to 1.5), and developed frontiers to optimise risk-return trade-offs and strategic asset allocation

Electric Vehicles Market Size Analysis:
- Analysed the $1.5 trillion EV market to cover regional adoption trends, highlight key opportunities and barriers for stakeholders, and projected 20% annual growth driven by battery technology and supportive government policies

LEADERSHIP AND EXTRACURRICULAR

Joint Secretary - Natyamanch **Chandigarh, India**
Punjab Engineering College *Aug 2018 - Jun 2022*
- Led the direction and scripting team of 65 members, creating street plays and skits to perform in villages and educate on various societal issues, and orchestrated in-house events, contributing to a cohesive and competitive team culture

Joint Head - Infrastructure Committee **Chandigarh, India**
PECFEST *Jul 2021 - Apr 2022*
- Awarded the Certificate of Excellence based on exceptional leadership and organising 40+ technical and cultural events with more than 30,000 attendees over 3 days

SKILLS AND CERTIFICATIONS

Languages: Python, SQL, BigQuery, R, Java, Scala, Node.js, React

Data Analytics & Visualization: Tableau, MS Excel, Power BI, Apache Spark, Hadoop, Google Analytics, Matplotlib, Seaborn

Machine Learning & AI: TensorFlow, Keras, Scikitlearn, PyTorch, OpenCV, Natural Language Toolkit (NLTK)

Cloud & Big Data Platforms: AWS, Oracle Cloud, Airflow, Azure, Google Cloud Platform (GCP), Databricks, Kubernetes

Other: ETL Processes, Data Warehousing, Business Intelligence, Jira, Statistical Analysis, A/B Testing, Time Series Analysis

Certifications: Certified Tableau Desktop Specialist (Tableau, Salesforce), Applied Data Science Lab (World Quant University), Data Analysis with Python (Coursera), Specialization in Machine Learning(University of Washington, Coursera), Neural Networks and Deep Learning(DeepLearning.ai)