

## EDUCATION

### University of Leeds

Leeds, United Kingdom

*MSc Data Science and Analytics*

Sep 2023 – Sep 2024

- Relevant Coursework: Data Science, Statistical Theory & Methods, Statistical Learning, Business Analytics and Decision Sciences, Machine Learning in Practice, Deep Learning.
- Classification: 2:1 – Merit
- Key Roles: Designed predictive analytics models for academic and industry projects, worked with the Met Office on complex datasets to inform business decisions, and delivered insights to academic panels and stakeholders

### Panimalar Institute of Technology

Chennai, India

*Bachelor of Engineering - Electrical and Electronics Engineering*

Jun 2017- Aug 2021

- Relevant Coursework: Digital Signal Processing, Solid State Drives, Total Quality Management, Python programming and Problem-Solving, Object-Oriented Programming.
- Classification: First Class
- Key Roles: Organized national level technical workshops, mentored peers in IoT and automotive security projects, and received accolades for innovative solutions in research papers.

## TECHNICAL SKILLS

Programming:

Python, R, SQL, Java, Dart

Data Analysis & Visualization:

Tableau, Power BI, Microsoft Excel, Microsoft PowerPoint

Frameworks:

TensorFlow, Scikit-learn, Pytorch, Flutter

Cloud Computing & Data Infrastructure:

AWS, S3, EC2, Lambda, ETL Processes, Data Modelling

ERP Systems:

SAP Basis, Solution Manager, SAP HANA

Methodologies & Process Management:

Agile, Scrum, SDLC, Business Process Mapping, Data Governance, Git, Jira, ITSM

## WORK EXPERIENCE

### Accenture PLC

Chennai, India

#### Application Development Analyst

Aug 2021 – Aug 2023

- Led the implementation of 10+ SAP Basis system upgrades, ensuring 100% SLA compliance and zero downtime for mission-critical systems.
- Managed HANA database across 15+ SAP systems, executing CRUD operations with SQL to maintain data accuracy and system performance.
- Delivered weekly interactive KPI dashboards with Power BI/Excel, delivered performance reports to support strategic planning, and implemented solutions that boosted operational efficiency by 20%, boosting stakeholder management and cross-functional team collaboration.
- Cross-skilled across SAP BASIS, HANA DB, and Solution Manager (SOLMAN) including CHARM process to provide diverse technical support.

### Hatch School of Code

Chennai, India

#### Coding Tutor

Aug 2020 – Aug 2021

- Designed and delivered courses in Python, R, and data science, training over 40 students in essential programming techniques.
- Incorporated business case studies and hands-on projects to enhance learning outcomes, achieving a 95% satisfaction rate among learners.
- Built automated system to monitor student and attendance progress, improving feedback accuracy and learning efficiency by 20%

### Smazee Software Solutions

Chennai, India

#### Junior Software Developer Intern

Nov 2019 - Dec 2019

- Developed an Android application with a Firebase backend, reducing backend response time by 20%
- Documented technical workflows, enabling seamless knowledge transfer and enhancing team collaboration.
- Conducted usability testing to improve user experience and application performance.
- Conducted comprehensive application testing to identify and resolve critical software bugs, improving reliability by 15%

## **PROJECTS**

### **Unsupervised Machine learning of Rainfall in UK: - Dissertation**

- Collaborated with Met Office for study in deep about the rainfall categories and better classification of clouds.
- Applied unsupervised machine learning techniques (DBSCAN) to classify and analyse rainfall types from high-resolution spatio-temporal climate data across the UK, fine-tuning precipitation forecasting and pattern recognition for a 100-year period (1980 – 2080).
- Engaged in advanced data segmentation, feature extraction, and clustering techniques to identify rainfall categories for improved meteorological assessments.

### **Customer Churn Analysis:**

- Analyzed customer churn data using Python and SQL, identifying predictors with 95% accuracy.
- Designed logistic regression and decision tree models, refining churn prediction accuracy by 25%
- Built Power BI dashboards to visualize churn metrics, leading to proactive decision-making and a 20% increase in customer retention.

### **Predicting ICO success using machine learning classifiers:**

- Implemented machine learning models with AdaBoost and random forests, achieving 85% accuracy in predicting ICO success.
- Created Tableau dashboards to present actionable insights, aiding investors in data-driven decision-making.
- Recommended strategies to optimize ICO fundraising, resulting in improved campaign outcomes.

### **COVID Analyser:**

- Built an Android app using TensorFlow Lite to classify COVID-19 X-ray images.
- Improved model performance through advanced image preprocessing techniques.

### **Substantiation in Automobiles:**

- Engineered a biometric security system for automobiles, reducing unauthorized access incidents by 20%
- Developed a mobile app for seamless user management, enhancing customer experience.
- Collaborated with automotive partners to test and deploy solutions, ensuring reliability and scalability.

## **CERTIFICATIONS**

- AWS Certified Cloud Practitioner (Amazon Web Services)
- Data Analytics and Visualization Job Simulation (Accenture North America)
- Microsoft Certified Power Platform Fundamentals (Microsoft)
- SAP Certified Technology Consultant (SAP Labs)
- Algorithmic Toolbox and Neural Networks Specialization (Coursera)
- Microsoft Office Specialist: Excel Associate (Office 2019)
- Microsoft Office Specialist: Excel Expert (Office 2019)
- Google IT Fundamentals (Coursera)
- Data Science Essentials (CISCO)

## **ACHIEVEMENTS:**

- Recognized with multiple awards, including the *Inspiring Innovator Award*, *Growth Catalyst Award*, and *Embracing Shared Success Award* in Accenture.
- Secured 3<sup>rd</sup> position in the State level Hackathon for developing a hybrid application named “Seeker – A Travel App”.