

ABIJITH SUBRAMANIYAN KUNNATH

Master of Data Science (Business Intelligence) | Bachelor of Engineering (Computer Science)

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ABOUT ME

Motivated and adaptable **Data Science postgraduate** with a foundation in **Computer Science Engineering**, combining strong technical acumen with proven experience in both **IT operations** and **customer-facing environments**. Passionate about working in **data-driven, fast-paced settings**, with a keen eye for **accuracy, process compliance**, and **incident resolution**. Seeking a role where I can apply my strengths in **data analysis, problem-solving**, and **cross-functional communication** to support critical systems and contribute to operational excellence in a **collaborative, innovation-led environment**.

EXPERIENCE

Retail Assistant , BWS | Kaleen, Canberra

2023 – Present

- Delivered prompt customer service, assisted with purchases and inquiries.
- Handled cash, stock, and daily store operations including opening/closing.
- Ensured compliance with RSA regulations and maintained store presentation.
- Monitored and documented operational incidents**, escalating to management when necessary.

Systems Engineer, Tata Consultancy Services | Siruseri, Chennai

Client: Marks & Spencer (Retail – UK)

2020 – 2022

- Maintained and updated **large-scale retail datasets** (SKUs, pricing, inventory) using Excel and SAP, ensuring **data accuracy** through cleansing and remediation.
- Performed **data integrity checks** and **regression testing** across multiple SAP environments.
- Managed incident and defect tracking using **Jira**, collaborating with cross-functional teams to resolve issues within tight deadlines.
- Created and updated process documentation to ensure **SOP compliance** and knowledge transfer.
- Gained hands-on experience with SAP ABAP, HANA, Retail module, and backend data flows.

EDUCATION

Masters in Data Science, Business Intelligence
University of Canberra | 2023 – 2025

Bachelors in Engineering, Computer Science and Engineering
Velammal Engineering College | 2016 – 2020

PROJECTS

TyreEye™ – Driving Conditions Warning App

Capstone Project – Master of Data Science, University of Canberra

2024 – 2025

Role: Lead Developer

Technologies: Android Studio ,Kotlin, Jetpack Compose, BLE, FastAPI, Python, Scikit-learn

- Led development of an Android application that processed **real-time sensor data** for hazard prediction, ensuring **data accuracy** and **integrity** throughout the pipeline.
- Integrated Bluetooth-enabled tyre pressure sensors (TPMS) to collect, map, and manage live device data streams.
- Designed and deployed a **FastAPI backend** hosting three ML models for classification and decision-making.
- Built **data ingestion, cleansing, and validation pipelines**, mirroring industry-standard **data remediation** processes.
- Developed a responsive dashboard-style UI with real-time alerts, visual gauges, and session logging for **incident tracking and resolution**.
- Applied **privacy protocols** and ensured model performance across variable conditions.
- Collaborated with a cross-functional project team to maintain process documentation and system coherence.

Age Estimation with Magnetic Resonance Imaging Data Using PNN

Final Year Project – Bachelors in Engineering, Velammal Engineering College

2020

Role: Lead Developer

Technologies: Matlab, DWT, GLCM, Probabilistic Neural Network (PNN), MRI image data.

- Worked with **sensitive MRI image datasets**, applying structured **data preprocessing** using Discrete Wavelet Transform (DWT) and Gray-Level Co-occurrence Matrix (GLCM).
- Enhanced **data quality assurance** through feature extraction and validation before model training.
- Trained and tested a **Probabilistic Neural Network (PNN)**, achieving 93.3% prediction accuracy.
- Produced detailed documentation of processes in line with **SOPs** and published findings in a peer-reviewed journal.
- Demonstrated ability to **work independently**, manage project timelines, and adhere to strict data handling and privacy protocols.

CERTIFICATIONS & SKILLS

- Certifications** – Microsoft Power BI Desktop for Business Intelligence, Web Development Bootcamp by Dr. Angela Yu, Study Australia Industry Experience Program, SAP ABAP, SAP HANA
- Skills** – SQL, R, Power BI, Excel, HTML, CSS, SAP, ABAP, Java, Kotlin

INTERESTS

Weightlifting, Kendrick Lamar, Building Computers, Soulsborne and Metroidvania games