Navneeth Premanand

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Professional Summary

Business Analyst with Master's degree in Data Science, combining strong analytical capabilities with AI/ML expertise to bridge the gap between technical solutions and business objectives. Proven track record in requirements gathering, process optimization, and stakeholder management across software implementation projects. Skilled at translating complex data insights and ML concepts into actionable business strategies, defining KPIs, and driving digital transformation initiatives that deliver measurable operational improvements.

Core Competencies

Business Analysis: Requirements Gathering & Elicitation, Stakeholder Management, Process Mapping, Workflow Analysis, Gap Analysis, User Story Writing, SRS Documentation, User Acceptance Criteria

Data & Analytics: KPI Design & Metrics Definition, Dashboard Development, Data-Driven Problem Solving, Statistical Analysis, Business Intelligence, Performance Reporting

AI/ML Business Applications: ML Requirements Definition, AI Use Case Identification, Model Performance Evaluation, Technical-to-Business Translation, Predictive Analytics Strategy

Implementation & Change: User Acceptance Testing (UAT), Change Management, Training & User Adoption, Process Improvement, Automation Opportunity Identification

Technical Skills: Python (Pandas, NumPy), SQL, Excel, R, Tableau, Power BI, MongoDB, MySQL, TensorFlow, Keras, PyTorch

Tools & Platforms: Google Analytics, AWS (EC2, S3, Lambda, Route 53, IAM), Git/GitHub, React, Node.js, REST APIs

Professional Experience

Full Stack Developer   **May 2025 – Nov 2025**
Flo Mobility   *Bengaluru, India (Remote to Dubai)*

- Built and maintained interactive analytics dashboard with 10+ visualizations using React and Chart.js to monitor KPIs, downtime patterns, and productivity metrics for 50+ autonomous robot fleet operations
- Optimized MongoDB aggregation pipelines and indexing strategies, significantly improving query performance for analytics and reporting workflows
- Collaborated with stakeholders to identify data requirements and pain points, delivering dashboard features that streamlined reporting and enhanced data-driven decision-making
- Enhanced full-stack platform architecture (React web app, React Native mobile app, MongoDB, AWS) to support real-time operational analytics

Full Stack Developer (Contract)   **Aug 2024 – Apr 2025**
Rynova Trade LLC   *Dubai, UAE*

- Led complete project life cycle from requirements gathering to production deployment, developing responsive React corporate website aligned with business objectives
- Configured Google Analytics tracking and built performance dashboards to analyze user behavior, traffic patterns, and conversion metrics, delivering actionable insights to stakeholders
- Deployed production solution on AWS (EC2, Route 53, SSL) with automated CI/CD pipelines using GitHub Actions

Business Process Automation Intern   **Feb 2024 – Apr 2024**
ACZ Global Pvt Ltd   *Bengaluru, India*

- Documented end-to-end business processes and created System Requirement Specifications (SRS) for predictive model development initiatives
- Conducted workflow analysis and process mapping to identify automation opportunities and document data flow requirements supporting data-driven decisions

AI Engineering Intern
Open Weaver

Jun 2023
Bengaluru, India

- Performed exploratory data analysis (EDA) and feature engineering on medical imaging datasets to prepare data for deep learning model development
- Implemented and evaluated CNN models for breast cancer classification using TensorFlow and Keras, conducting comparative performance analysis across multiple architectures
- Created analytical reports and visualizations using Python to communicate technical findings and model performance metrics to non-technical stakeholders

Full Stack Developer
ACZ Global Pvt Ltd

Sep 2021 – Sep 2022
Bengaluru, India

- Designed and deployed ERP/HRMS solution for 40+ users using MERN Stack (MongoDB, Express, React, Node.js) on AWS infrastructure (EC2, Route 53, IAM)
- Gathered requirements, conducted user acceptance testing, and facilitated change management for digital transformation initiative transitioning to paperless workflows

Projects & Research

Performance Evaluation of CNNs for Stellar Image Classification | *Published in IEEE Xplore*

- Conducted comparative study of CNN architectures (VGG16, ResNet, Parallel CNN) for astronomical star-galaxy classification using SDSS dataset
- Implemented complete ML pipeline including data preprocessing, feature engineering, model training with TensorFlow/Keras/PyTorch, hyperparameter tuning, and comprehensive statistical evaluation

COVID-19 Detection ML Solution

- Identified healthcare use case for AI/ML application, defining requirements and success criteria for COVID-19 detection from chest X-rays
- Evaluated model performance against clinical requirements, translating technical metrics into business impact assessment

Education

Master of Science in Data Science
Christ University

2022 – 2024
Bengaluru, India

- Thesis: Performance Evaluation of Convolutional Neural Networks for Stellar Image Classification (Published in IEEE Xplore)

Bachelor of Science in Computer Science, Mathematics & Statistics
Christ University

2018 – 2021
Bengaluru, India

Certifications

- Google Data Analytics Professional Certificate – Coursera

- Business Analysis & Process Management – Coursera

- Data Science 101 – IBM

- Cybersecurity and Internet of Things – University System of Georgia (Coursera)