

Prathyush N M

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EDUCATION

M.E.S College of Engineering (MESCE), Bachelor of Technology, Artificial Intelligence & Data Science

Jun 2020 – May 2024

- **Relevant Coursework:** Data Structures and Algorithms (DSA), Python for Machine Learning, Design and Analysis of Algorithms, Big Data Analytics, Deep Learning for Signal & Image Processing, Full Stack Web Development

EXPERIENCE

Co-Founder, Datum Solutions

Oct 2024 – Present

- Coordinated structured **data annotation** and preprocessing for **3+ AI/ML projects**, following clear guidelines to ensure consistency and accuracy.
- Oversaw **data validation** and error-check processes across **10k+ records**, documenting issues and escalating failures for resolution within SLA timelines.
- Created detailed **documentation** of workflows and labelling instructions, improving reproducibility and reducing onboarding time for new contributors by **30%**.

Associate Software Engineer Trainee, Inker Robotics

Aug 2024 – Oct 2024

- Orchestrated **end-to-end testing** and troubleshooting for AI systems, managing 5k+ data samples while ensuring **100% compliance** with internal quality standards and data privacy protocols.
- Optimised testing workflows by supporting **automation scripts**, reducing manual cycle times by 40% and enhancing the overall Software Testing Life Cycle (**STLC**) efficiency.
- Authored detailed technical reports and dashboards to communicate project health and performance **KPIs** to senior supervisors, ensuring alignment with **cross-functional business goals**.

LEADERSHIP & VOLUNTEERING

GOLD - Microsoft Learn Student Ambassador, Microsoft MVP Communities

Apr 2023 – Sep 2024

- The only current **Gold MLSA** of Kerala the highest tier inside the programme, organised multiple events on Microsoft technologies, including AI hackathons and study groups, facilitating **collaboration** among tech enthusiasts and fostering innovation

Branch Chairperson,

IEEE Robotics and Automation Society (RAS) Malappuram

Jun 2023 – May 2024

- Directed IEEE RAS chapter initiatives, conducting **workshops** on **robotics and automation**, and enhancing technical knowledge among members

PROJECT WORKS

NLP-based Automated Answer Sheet Evaluation System

May 2023 – Feb 2024

- Developed a cutting-edge system utilizing Natural Language Processing (NLP) techniques like **BERT** and **Word2Vec** to automate answer sheet grading for subjective exam questions
- Increased grading accuracy by **60%**, surpassing manual grading benchmarks, and decreased human workload by **85%** using NLP for vocabulary analysis, sentence structure, and sentiment evaluation
- Implemented features like **cosine similarity** and **sentiment analysis** to assess the quality and relevance of responses, improving the system's reliability
- Spearheaded the integration of automated **grammar checking** within the system, boosting the depth and credibility of evaluations

AI-driven Predictive Analytics for Customer Behaviour

Jan 2023 – Jun 2023

- Developed an **AI-powered predictive analytics** platform that used historical customer data to forecast behaviour, helping companies optimise marketing strategies
- Implemented machine learning algorithms like **random forests** and **gradient boosting** to predict customer lifetime value and improve decision-making
- Achieved a **20%** increase in customer retention rates by applying data-driven insights to marketing campaigns, improving personalization and targeting efforts
- Utilised tools like Tableau for **data visualization**, allowing business teams to track customer trends and make informed decisions

SKILLS

Product & Business Analysis — PRD Documentation, User Stories, Market Research, Competitor Analysis, Product Development Life Cycle, Software Development Life Cycle, Agile, Scrum | **Tools & Platforms:** JIRA, Confluence, Asana, Microsoft Excel, PowerPoint, Tableau, Postman, Azure, Google Cloud

Technical Skills — Python, SQL, PHP, React (Beginner), MongoDB | **Machine Learning & Data:** Scikit-learn, TensorFlow, NLP

CERTIFICATES

Foundations of Project Management
Google Certified
(ID: EOMVUKYQWDWO)

Agile Project Management
Google Certified
(ID: IF9AKMSJQQRW)

Project Management Job Simulation
Accenture Certified
(ID: 5rXrQoc5C8jsdf8ML)

AI-102: Azure AI Engineer Associate
Microsoft Certified
(ID: 34D2275E62F435AF)