

Navin S

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EDUCATION

Coimbatore Institute of Technology

Integrated M.sc Data Science

Coimbatore | August 2020 – May 2025

CGPA: 8.25

Vidyaa Vikas International School

PCM with Computer Science

Coimbatore | Grad. 2020

Per:84.1

EXPERIENCE

RedBlackTree Technologies Pvt Ltd

December 2024 – March 2025

AIML Engineer Intern

Chennai

- Designing an LLM-powered resume parsing system to extract structured data like skills, experience, education, and certifications.
- Building an interactive RAG-based chatbot to dynamically engage candidates and collect additional information.
- Automating end-to-end workflows for resume parsing, candidate interaction, and ATS integration, reducing manual effort and improving efficiency.
- Tools: Python, LLM, RAG, SQL, Vertex ai

KlausIT Solutions

July 2023 – December 2023

Data Analyst Intern

Bangalore

- Analyzed the historical data of voter behavior to forecast November 2023 state elections in Rajasthan, Madhya Pradesh, and Chhattisgarh, accurately predicted correct results for 2 out of 3 states.
- Contributed to the early detection of very minute symptoms of chronic kidney disorder in patients, using classification models.
- Created use cases for the company's web page by comparing the product PredictEasy to traditional ways of Machine Learning resulted in a 20 percent boost in website traffic with appropriate Search Engine Optimization (SEO).
- Tools: Python, PowerBI, SQL

ACADEMIC PROJECTS

OneLP | Django, MongoDB, NLP

- Developed a Django-based application integrating the few built-in libraries with Together API, LLM model, and MongoDB for language processing tasks under one umbrella.
- Implemented 5 most used features such as text summarization, sentiment analysis, language translation, document chat, and voice-to-text conversion.

FraudShield AI | Streamlit, ML, Smote

- Developed a financial fraud detection system using a dataset of 10,00,000 rows to build credit card fraud detection along with the study of credit risk analysis and customer segmentation for the same.
- Enacted SMOTE in fraud detection system to rectify dataset imbalance and accomplished a Recall value of 0.99.

Agronomic Disease Detector | Python, CNN, Django

- An Agronomic Disease Detector identifies and detects diseases affecting crops or plants in agricultural settings, focusing on crop health and yield
- These detectors use techniques like the CNN model and image recognition to predict whether a plant is diseased based on spots on the leaves.

TECHNICAL SKILLS

Programming Languages: Python, SQL

Frameworks: Django, Streamlit, FastAPI

Databases: MySQL, MongoDB

Tools: GIT, PowerBI

Other Techniques: ML, DL, NLP, LLM, Gen-ai, Data Visualization, Vertex ai, Prompt engineering

SOFT SKILLS AND INTERESTS

- Strategic thinking
- Active listening
- Stock Market
- Forex
- Sports

ACHIEVEMENTS

- **Automated Insight Analysis:** Published the paper at the 9th International Conference on Business Analytics and Intelligence 2022, IIM Bangalore.
- Secured 2nd place in Intra-Department Badminton tournament