

Charles Laurent Noble

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EDUCATION

Vellore Institute of Technology

Chennai, India

Btech. In Computer Science with AI & ML. (CGPA: 8.5/10)

Graduation Date: May 2025

- **Organizations:** IEEE Computer Society Member, Japanese Culture Club Member.
- **Relevant Coursework:** Object Oriented Programming, Databases, Discrete Mathematics, Data Structures and Algorithms, Operating Systems, Computer Networks, Software Engineering, Machine Learning, Deep Learning, Artificial Intelligence, Data Science, Data Mining, Advanced Data Structures and Algorithms, Computer Vision, Image Processing.

WORK EXPERIENCE

Rapyder Cloud Solutions

Bangalore, India

Generative AI Intern

June 2024 – August 2024

- Developed a Generative AI Foundation to support future AI projects.
- Created a comprehensive wrapper class for text, embeddings, images and chat generation.
- Integrated all available AWS Bedrock models along with 4 different response variations (invoke, invoke_stream, converse, converse_stream).
- Achieved a 40% reduction in workload for future projects by establishing this foundation.

Atos (Eviden) Global IT Solutions

Bangalore, India

Machine Learning Intern

August 2023 - November 2023

- Developed DevAssist, a tool that significantly reduces developer workload.
- Reduced workload by 60% for non-AWS users. Reduced workload by 45% for AWS users.
- Utilized Generative AI services like AWS Bedrock models (Amazon Titan, Anthropic Claude).
- Automated the generation of required dependencies and code templates based on user input, streamlining software development processes.

PROJECTS

- **Real Estate Price Prediction Model:** Predicts Real Estate Price using Linear regression.
- **Sales Insights for AtliQ Industries:** Performed Data Visualization for Sales data using Microsoft PowerBI.
- **Sports Celebrity Image Classification:** Classifies Celebrity Images using Logistic regression.
- **Vegan Recipe Generator:** Generates Vegan Recipes using GenAI AWS bedrock models.
- **Software Bug Resolver:** Identifies and Debugs software bugs using Google GenAI Palm API.
- **Email Spam Detection:** Detects Spam Emails using Naive Bayes and Random Forest Classifiers.
- **Sentiment Analysis:** Detects the sentiment of User reviews using VADER, Roberta model and Hugging-face.
- **Product Recommendation System:** Recommends Products using TFIDVectorizer and Cosine Similarity.
- **BTC Price Alert App:** Created a Bitcoin price alert app using Django and rest-framework.
- **Personal Portfolio:** Created a Personal Portfolio Website using React - [My Portfolio](#).

SKILLS & TECHNOLOGIES

Programming Languages: Python, C/C++, Java, HTML, CSS, JavaScript, SQL, Matlab, R.

Skills: Generative AI, Natural Language Processing, LLMs, Sci-kit-Learn, Tensorflow, Keras, Pytorch, Opencv, Numpy, Pandas, Tensor, Matplotlib, Seaborn, Data Preprocessing, Data Mining, Data Visualization, Machine Learning, Deep Learning.

Technologies: AWS, EC2, Bedrock, PALM Api, PostgreSQL, Github, Google Colab, Visual Studio Code, Microsoft Power BI, Jupyter, Django, Rest-Framework, Flask, Postman, Unity, Knime Analytics Platform, Microsoft Excel, Microsoft Word, Microsoft Powerpoint.

Languages: English, Malayalam, Hindi, Japanese (Elementary Proficiency).

Interests: Reading, Football, Social Events, Podcasts, Financial Trading and Investment.