

VISHAL N

LinkedIn | GitHub

Data Engineer / Backend Developer

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OBJECTIVE

Aspiring Data Engineer passionate about combining data driven systems with immersive 3D experiences. Familiar with Python as my UG is based on Artificial Intelligence and Data Science also worked with MySQL, and currently learning Java and DSA for backend development. Seeking an internship opportunity to contribute to real world projects that blend AI, data, and 3D based application.

TECHNICAL SKILLS

Category	Proficient	Familiar
Programming	Python, SQL	C#, Java
Data Engineering	Pandas, NumPy	MySQL, Docker
AI & Automation	Streamlit	GPT APIs, RAG Models, n8n
Development Tools	Git, GitHub, VS Code	PyCharm, IntelliJ IDEA
Visualization & Analytics	Jupyter Notebook	Metabase
3D & Game Development	Blender	Unity

EDUCATION

B.Tech in Artificial Intelligence & Data Science
Stella Mary's College of Engineering, Kanyakumari — 2023–Present
Current CGPA: 7.67/10

PROJECTS

IoT-Based Smart Waste Bin (Hackathon Prototype)

- Designed an IoT model that automatically segregates waste using sensors.
- Integrated alert notification system and real time data monitoring.
- Tech: Arduino, Sensors, Python, IoT Systems

Data Engineering Project – Spotify Pipeline

- Built a mini ETL pipeline using Python (Spotipy) to fetch and clean Spotify track data.
- Stored processed data in MySQL and visualized insights using Metabase on Docker.

- *Tech:* Python, Pandas, MySQL, Docker, Metabase
- [link](#)

Dataset Analyser Tool

- Developed a small tool to perform quick statistical analysis and data visualization.
- Also added a feature which actually performs ML algorithms (KNN & Kmeans) on datasets
- *Tech:* Python, Pandas, Streamlit
- [link](#)

3D Works

- Created a simple 3D Dustbin model for our Smart India Hackathon Prototype.
- Animated some gifs of planes and character running .

LEADERSHIP & ACTIVITIES

- **Toastmasters Club (Vice President Education)** – Strengthened communication and leadership skills.
- **Hackathon Participant** – “Clean & Green” theme, Smart Bin Project selected for prototype funding.
- **Tech Community (Captain Bash)** - A leading captain of a clan in our college tech community where I mentor and work with juniors learning technical skills.
- **Co-Founder** - Working on our edtech startup which was in its initial development stage on developing its web along with my fellow co-founders

LANGUAGES

English (Fluent) | Tamil (Native) | Japanese (Learning – JLPT Preparation)

INTERESTS

- 3D Modeling • Automation Tools