AVRA PAUL

Phone: +91 6290157592 |

Email: 24f1002255@ds.study.iitm.ac.in | eminentavra9836@gmail.com

[Portfolio](#) | [GitHub](#) | [LinkedIn](#) |

EDUCATION

 B.S. in Data Science & Applications (8.2 till 5th Sem) - **Indian Institute of Technology Madras |2027**

B.Tech in Information Technology (8.2 till 5th Sem) - **University of Kalyani**   **|2027**

HSC , **Kalyani Public School | 82%**   **|2023**

SSC, **St. Claret School | 91%**   **|2021**

TECHNICAL SKILLS

Languages: Python, SQL, HTML/CSS, JavaScript

Tools & Libraries: Pandas, NumPy, scikit-learn, Flask, Playwright (Async Browser Automation), Git

Databases: SQLite, MySQL

Other: Web Scraping, Async Data Pipelines, REST APIs, Data Visualization

PROJECTS

PARAKH Education Data Engineering & Analysis Project | Python, Playwright, Pandas

- Built an end-to-end data pipeline to collect and analyse 53,000+ competency records from publicly available PARAKH (NCERT) dashboards
- Automated extraction from dynamic Angular pages and interactive visualizations using async Playwright workflows
- Cleaned, validated, and aggregated data across 28 States/UTs and 600+ districts
- Performed stage- and subject-level analysis to identify learning-stage performance drop-offs

Virtual Teaching Assistant — LLM-Powered Forum Automation | Python, Flask, OpenAI API

- Built a POST API that answers student queries using scraped IITM Discourse forum data
- Handled data scraping, preprocessing, indexing, and response generation
- Supported base64 image input and multimodal queries

Paul Tailors Business Performance Analysis | Pandas, Matplotlib

- Analysed a real tailoring business to evaluate cost, profit, and efficiency trends
- Delivered a 20-page report with visual insights and actionable recommendations

Data Analyst Agent (Alvyn v2) | Python, Flask, LLMs

- Built and deployed a data analyst agent that dynamically scrapes, cleans, analyses, and visualizes data based on user queries
- Exposes a REST API returning structured insights, JSON outputs, and base64-encoded plot
- Designed modular pipelines for data sourcing, preprocessing, analysis, and visualization
- Deployed on Vercel: https://alvyn-v2.vercel.app

EXPERIENCE

Freelance Data Analyst (Independent) (1 yr)

- Helped small businesses digitize, clean, and analyse operational data
- Provided data-driven insights for pricing and inventory decisions

Co-Founder & Full-Stack Developer at BrewWeb | Kolkata, West Bengal (2025 – Present)

- Co-founded a web and app development agency delivering production-ready solutions for small businesses and startups.
- Built responsive websites, landing pages, and full-stack web applications with a focus on performance and usability.
- Led end-to-end development including planning, development, deployment, and iteration.
- Delivered client projects including a cafe website (Noir Cafe) and a data-driven web platform (Datawise).

Internship : Backend Developer(CoLab Bangalore Remote) (2 months)

- **Dealt mainly with data analysis, cleaning and scraping**

STRENGTHS

• Strong data engineering and Machine Learning fundamentals with industry grade data handling experience
• Ability to translate complex data to actionable insights for technical and non-technical audience
• Comfortable working in fast-paced, problem-driven environments

OTHERS

Languages: Bangla, English, Hindi

Hobbies: Gaming, Listening to Music, Cycling.