

Aryaman Awasthi

Mumbai, India | +917007334949 | [LinkedIn](#) | [GitHub](#) | aryaman.awasthi79@gmail.com

EDUCATION

Vellore Institute of Technology, Vellore, India

2021 - 2025

Bachelor of Technology, Electrical and Electronics Engineering

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, TypeScript

Framework & Libraries: Spring Boot, Angular, React, Django, LangChain, LangGraph, PyTorch

AI/ML: RAG, Vector Embeddings, Semantic Search, Transformer Models, NLP

Tools & DevOps: Git, GitHub, Docker

Databases: MySQL, PostgreSQL, MongoDB, Firebase

EXPERIENCE

Tata Consultancy Services Ltd.

19 January 2026 - Present

- Currently working as a Full Stack Developer, contributing to end-to-end application development.
- Contributing to the development of an AI-powered enterprise assistant for territory-level analytics and executive insight generation.
- Working on Retrieval-Augmented Generation (RAG), semantic search, vector embeddings, and multi-agent AI workflows using LangChain and LangGraph.
- Involved in designing features such as sentiment analysis, territory heatmaps, executive summaries, and natural-language Q&A systems.

PROJECTS

Small Language Model (SLM)

Machine Learning Project

- Built a GPT-style Small Language Model (SLM) from scratch using PyTorch, implementing transformer blocks, causal self-attention, and custom token embeddings.
- Designed an end-to-end training pipeline including dataset tokenization, memory-mapped batching, mixed-precision training, and cosine learning-rate scheduling.
- Trained and evaluated the model on the TinyStories dataset, optimizing loss convergence and validating performance using train/validation metrics.

SQLInspector

Django Middleware

- Monitors and captures SQL queries in real-time within Django projects.
- Analyzes efficiency and performance of database operations.
- Provides insights into underlying SQL interactions with Django's ORM.

StudyBuddy

Android App

- Developed an Android app to enable collaborative group study and resource sharing.
- Implemented REST API integration using Retrofit and dynamic UI with RecyclerView.
- Integrated QR code scanning using ZXing for session and group management.

Sciber Fiesta 2019 App

Android App

- Designed and developed the Sciber Fiesta 2019 App, enabling efficient team creation and event management for an inter-school fest.
- Published on the Play Store, independently managing end-to-end development for seamless functionality.

LEADERSHIP & INVOLVEMENTS

CodeChef - VIT (College Community)

Vellore, Tamil Nadu India

Senior Core Member

March 2022 - January 2024

- Developed StudyBuddy, an Android app for group studying, and led technical training sessions on Git/GitHub and Flutter, reaching 150+ live participants and 900+ recorded viewers through documentation and live sessions.

Sciber Fiesta 2019 (School Fest)

Kanpur, Uttar Pradesh India

Head of Technical Team

January 2019 - August 2019

- Led a 40-member team to organize 10 technical events (including 7 new initiatives) and developed a Google Play Store-published Android app to streamline event management and enhance user engagement.