ARNAV TRIVEDI

📞 +91-7481969668 ✉ @arnavtrivediofficial@gmail.com 🔗 LinkedIn ⭕ Github

EDUCATION

Vellore Institute of Technology (VIT), Vellore 09/2022 – Present
B.Tech in Computer Science *CGPA: 8.02 — Vellore, Tamil Nadu*

Delhi Public School, Ranchi 04/2019 – 03/2021
Higher Secondary Education – CBSE *Percentage: 92.8% — Ranchi, Jharkhand*

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML, CSS
Technologies/Frameworks: ArchLinux, Git, GitHub, ReactJS, NodeJS, ExpressJS, MongoDB, Postman, Thunder Client

EXPERIENCE

Software Developer Intern | *CivilBrain – GenAI Form Autofill Tool* 04/2025 – Present
- Built a PDF parser in Python to extract structured data and render it in tabular format.
- Experimented with 4+ LLMs and embedding models to improve GenAI field mapping accuracy.
- Collaborated with developers on bug resolution progress and compiled weekly QA status reports.
- Tested 15+ website features and reported 30+ edge case bugs during functional QA analysis.

PROJECTS

Chatbot using LangChain and LLaMA2 | *Python, LangChain, LLaMA2, Ollama* 03/2025 – 04/2025
- Built a local chatbot using LangChain and LLaMA2 with 90% response accuracy in testing.
- Created modular prompt chains with memory to handle multi-turn queries and follow-ups.
- Used Ollama to deploy open-source LLMs offline, enhancing privacy and reducing latency by 30%.
- Tested with 100+ sample queries to ensure consistency, relevance, and conversational coherence.

Notes App using MERN Stack | *MongoDB, Express.js, React.js, Node.js, JWT, Axios, TailwindCSS* 01/2025 – 03/2025
- Engineered a **secure and scalable notes application** with seamless user authentication and data persistence.
- Implemented **JWT-based authentication**, significantly reducing unauthorized access attempts by **95%**.
- Optimized API endpoints and database queries, improving **response times by 40%** for a smoother user experience.

Contacts Manager API with JWT Authentication | *JavaScript, Node.js, Express.js, MongoDB* 09/2024 - 10/2024
- Designed a **scalable RESTful API** to efficiently manage extensive contact records with full CRUD functionality.
- Configured AES encryption, strengthening data security and safeguarding sensitive information.
- Minimized API failures by **70%** through comprehensive input validation and structured error handling.
- Accelerated **query performance** by leveraging Mongoose ORM indexing for smooth data retrieval.

Machine Learning Fundamentals Project | *Python, Scikit-learn, Pandas* 01/2024 - 02/2024
- Developed and **10+ machine learning models**, improving prediction accuracy by **20%**.
- Conducted **Exploratory Data Analysis (EDA)** on **1M+ records**, uncovering key patterns and insights.
- Maintained version-controlled documentation on GitHub, ensuring **100% reproducibility** and seamless collaboration.

ACTIVITIES

IEEE Professional Communication Society (IEEE-PCS), VIT Vellore 04/2023 – Present
General Secretary
- Led recruitment, increasing member engagement by **40%** and fostering a **collaborative environment**.
- Organized **10+ technical workshops, 5+ speaker sessions**, and multiple networking events, benefiting **500+ students**.
- Managed outreach and marketing, boosting event participation by **60%** through strategic promotions.

CERTIFICATIONS

Supervised & Unsupervised Machine Learning – Andrew Ng, Coursera
Python for Data Science – Udemy
Microsoft AI Classroom – Microsoft
5-Star C++ – HackerRank