

# Aradhana Mote

📍 Mumbai    ✉ aradhana2434@gmail.com    ☎ 9920366722    in Aradhana Mote    🌐 AradhanaMote

## Technologies

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**Languages:** Python(Streamlit, Transformers, Flask, PyTorch), C++, CUDA C++, MySQL

**Technologies:** AWS QuickSight, Microsoft SQL Server, PowerBI, Tableau

**Skills/Concept:** Git, DSA, NLP, Data Analytics, ML, Business Analytics

**Coursework:** DBMS, Computer Networks, OOPs, Operating Systems

## Education

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**VIT Bhopal University** *B-Tech in Computer Science and Engineering*

*Oct 2022 - June 2026*

- GPA: 8.87/10

## Projects

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### Rag-based Test Case Generator

[Link To Repo](#) 

- **Developed** an autonomous QA agent that **automatically generated 100+ test cases** using RAG and LLM-driven reasoning from project documents.
- Engineered FastAPI-Streamlit pipeline automating test generation and boosting efficiency 70%.
- **Implemented** AI-powered Selenium script generation achieving **90%+ selector accuracy**, enabling end-to-end automated web testing.

### Email Formaliser Using Transformers

[Link To Repo](#) 

- Built an Email Formalizer using T5 Transformers to convert informal text into professional emails.
- Used Python, Transformers, Streamlit for web interface, handling 100+ inputs with 95% satisfaction.

### Fake News and Scam Detection System

[Link To Repo](#) 

- Developed an NLP-based fake news and scam detection model using BERT, achieving **94% classification accuracy**.
- Deployed end-to-end ML pipeline enabling **real-time scam and news classification**.

### Law Desk

[Link To Repo](#) 

- Developed AI-powered ALIS chatbot for LawDesk, delivering real-time legal consultations to 500+ users.
- Engineered LawDesk interface using React, Vite, NumPy, Pandas, and Transformers, optimizing 80% of data processing.
- Integrated LawDesk with community service, handling 1,000+ monthly legal queries.

## Experience

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### Data Analytics Intern

*Remote*

*Deloitte*

*June 2025*

- Analyzed equality scores in Excel for 37 roles across 4 factories, identifying a -11 average and 49% un-fair/highly discriminative classifications.
- Developed Tableau dashboard to visualize data insights, supporting forensic tech and strategic decisions.

### Artificial Intelligence Intern, Green Technologies

*Remote*

*AICTE*

*Feb 2025 - March 2025*

- Analyzed Indian agricultural dataset (73,000+ entries, 30+ states, 2005-2023) using Power BI, identifying rice as top crop with 135M tonnes production.
- Visualized crop yield trends across 219M hectares, enabling data-driven decisions.

## Position of Responsibility

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### Event Co-Lead, Freelancing Club, VIT Bhopal

Feb 2024

- Orchestrated events to boost freelancing engagement, increasing student participation by 75%.
- Organized skill-building sessions, mentoring 250+ students in freelancing over 18 months.