Mohit Pipaliya

M.Sc – Information Technology

✉ 202412072@daiict.ac.in   in linkedin.com/in/mohitpipaliya   ⬡ mohitpipaliya

Dhirubhai Ambani University Technology
Formerly DA-IICT

Education

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)	2024 - Present
CPI: 7.53	*Gandhinagar, Gujarat*
Veer Narmad South Gujarat University (VNSGU)	2021 - 2024
CPI: 8.99	*Surat, Gujarat*

Experience

DeepVecto (LMS)   1Year | Aug 2023 – July 2024
<u>Intern</u> – *Admin Panel Development [React, Node.js, MongoDB]*   *Remote*

- Led the development of the admin panel, from planning to near-completion.
- Integrated backend services using Node.js, MongoDB, and PHPMyAdmin.
- Explored advanced ReactJS features and contributed to the core LMS project.
- Gained experience in full-stack development, deployment, and Agile collaboration.

IPx   3Month | Nov 2022 – Jan 2023
<u>Intern</u> – *Mobile Development [React Native]*   *Remote*

- Worked on cross-platform mobile apps using React Native and TypeScript.
- Implemented reusable components, managed state, and ensured code reliability.
- Enhanced problem-solving and communication skills through team collaboration.

Projects

PlantMate – AI-Powered Plant Recommendation and Care System | *MERN Stack, Gemini AI, Node Cron*   ⬡ | <u>Live Demo</u>

- Built an intelligent MERN-based platform that recommends the best plants for a user's space using an AI engine (Gemini Flash) trained on sunlight, direction, latitude and longitude, space type, area size, and plant difficulty—scoring and ranking 100+ plants in real-time.
- Implemented personalized plant-care management including watering, fertilizing, and custom tasks, integrated with a dynamic calendar and space-based plant grouping for an organized gardening workflow.
- Developed a full notification system with **email reminders** (SMTP + NodeMailer) and **in-app notifications** (unread badge, notification center), powered by daily cron jobs to auto-detect due tasks.
- Designed a clean, responsive UI with React and Tailwind; optimized backend architecture with Express, MongoDB Atlas, cron schedulers, and secure auth. Deployed frontend on Vercel and backend on Render.

Movie Recommender System | *Python, Pandas, Flask*   ⬡

- Built a movie recommendation system using collaborative filtering with cosine similarity.
- Performed data cleaning and preprocessing to ensure accurate user-item predictions.
- Developed and deployed a Flask-based API for smooth web integration.

Technical Skills

Languages: C, C++, JavaScript, Java, TypeScript, Python, SQL
Developer Tools: Git, Postman, VS Code, Figma
Frameworks: React.js, Angular.js, Node.js, Express.js, Tailwind CSS, Bootstrap
Cloud/Databases: MongoDB (NoSQL), SQL - PostgreSQL, MySQL
Soft Skills: Rapid Development, Quick Learning, Time Management, Teamwork, Communication
Coursework: Data Structures and Algorithms, Operating Systems, DBMS, Computer Networks
Areas of Interest: Frontend Development, Full Stack Development, System Design

Achievements

- **Topped BCA** program out of 595 students in college (2023–2024).
- Won **Second Position** (2021–2022) and **Third Position** (2022–2023) in IT Quiz Competitions.
- Awarded **Second Position** in Elocution Competition (2023–2024).