

Madhur N Patel

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About Me :

I am a dedicated professional who loves finding better ways to work. I have a strong record of improving processes, meeting goals, and working well in teams. I enjoy solving problems and making a positive impact wherever I go. I'm looking forward to connecting with others and growing together.

EDUCATION:

Indus University, Ahmedabad

Bachelor of Technology in Computer Science and Engineering (B.Tech CSE) 2022-2026
GPA - 8.5/10(Avg for completed semesters)

TECHNICAL SKILLS:

Programming Languages: Advanced Python, C, C++, Java, JavaScript, SQL,MCP.

Web Development: MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML, CSS, REST APIs,Figma.

Databases: MySQL, MongoDB,SQLite

AI & Machine Learning: TensorFlow, Prediction Models

Prompt Engineering: Optimizing AI interactions, Contextual Prompting, Role-based Prompts, Chain-of-Thought (CoT) Prompting, Few-Shot & Zero-Shot Learning

Mobile Development: Android (Java, XML, Android Studio)

Embedded Systems & IoT: Arduino, ESP32, Tinkercad simulations.

Tools & Platforms: Git/GitHub, Vercel Deployment, Virus total, MacOS, Windows, Linux (Ubuntu)

AI TOOLS AND PLATFORMS: Cursor(CLI),Gemini CLI, Warp, Kiro, Manus, Jules,Stich, Flagship Models from Companies(Opus 4,Gpt 5.4.1,Gemini 2.5 Pro), LLMs (**Ollama Models**),**n8n** Automation, **Docker**

Certifications :

AWS Academy Graduate — Machine Learning Foundations (Amazon Web Services), Issued Aug 2025

Skills: Machine Learning, Artificial Intelligence, Cloud Computing

AWS Academy Graduate — Cloud Foundations (Amazon Web Services), Issued Jul 2025

Credential ID: 792da9d1-37e9-466b-8c39-8a228d3920ee

Skills: AWS Core Services (EC2, S3, IAM, VPC), Cloud Architecture, Security, Billing

MERN Stack Developer (Coding Cloud), Issued Mar 2025

Skills: React, Node.js, Express.js, MongoDB, REST APIs, Deployment

Machine Learning (Indus University, Ahmedabad), Issued Dec 2023

Skills: Supervised/Unsupervised Learning, Model Evaluation, Data Preprocessing, Deep Learning Basics

Advanced Python (C-TAG Coding)

Skills: Advanced Python, OOP, Modules/Packages, GUI

PROJECTS :

Programming Homework:

Python (Tkinter, MySQL) Management Systems: Library, Banking, Restaurant, and Telephone Directory **Management systems** with GUI interfaces.

Java Management System: Command-line Library Management System (LMS).

Web Development (MERN, APIs):, Online Shoe Shopping Website, Weather Website (with OpenWeather API).

Android Development (Java, Android Studio): Calculator App, Multi-platform Note-Taking & Reminders App. **Expense tracker** with Sophisticated UI and persistent storage.

Machine Learning & AI (Python, TensorFlow, Kaggle): Heart Attack Prediction (87.85% accuracy), Predictive Models, AI Agent deployment (Colab), Data Science (labelling and finding meaningful insights from data).

Networking & IoT (ESP32, Arduino, Python): Data Sharing App, **IoT Smart Plant Pot** (features like reminders with esp and beep for moisture with level lights and snooze for reminder via hand gestures on the pot)

C Language (C and C++): Ball Catching Game (C),

Other: **SpeakInsights** - Enterprise Meeting Intelligence Platform • Engineered a microservices-based AI platform using Python, FastAPI, and React/Streamlit that processes audio recordings to generate intelligent meeting insights including transcription, summarization, and action item extraction • Implemented machine

learning pipeline with OpenAI Whisper and Transformer models, achieving sub-2-minute processing time for 1-hour meetings with 95% transcription accuracy and automated sentiment analysis • Designed scalable Docker containerization with PostgreSQL database, Redis caching, and automated deployment scripts supporting both development and production environments with zero-downtime updates • Developed RESTful APIs and MCP protocol integration for AI assistant connectivity, enabling seamless integration with enterprise tools and supporting 100+ concurrent users with real-time processing capabilities.(Depends on Processing Power of the PC).

More Information at www.madhur.dev