MAHESH DARAPUREDDY

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maheshdarapureddy.in

EDUCATION

- **B. Tech** in *Electronics and communication Engineering*
  Institute: BVCITS | Year: 2022–2026 | CGPA: 7.5
- **Intermediate** in **MPC**
  Institute: Educare Junior College | Year: 2020–2022 | GPA: 7.4
- **SSC**- Educare E.M School | Year: 2020 | GPA: 9.8

Technologies & Skills

Languages: Python, Java, C, JavaScript, SQL, HTML, CSS, JavaScript

ServiceNow: ITSM (Incident, Problem, Change, Request), ServiceCatalog, Roles, Groups & ACLs

Platforms: Vercel, Azure, ServiceNow

Tools: Git, GitHub, CI/CD, Postman

Projects

Multi-Modal AI Chatbot — Live Intelligent Conversational System | chat.maheshdarapureddy.in

• Built an intelligent multi-modal chatbot with real-time chat, dynamic UI, and integrated user authentication.
• Implemented role-based access to view detailed user analytics and added MongoDB to store request/response counts.
• Technologies used: Next.js, Python via Uvicorn, **MongoDB**, Role-Based Access Control (RBAC), Clerk Authentication, and state-of-the-art LLMs **(GPT-4.1, GPT-4o-mini, Gemini 2.0 Pro, DeepSeek V3).**

AI Analyzer — RAG-Powered Document Intelligence System | chatai.maheshdarapureddy.in

• Developed a smart web app for analyzing documents (PDF, TXT, DOCX) and URLs using LLMs and RAG (LangChain + RetrievalQA).
• Implemented semantic search, web scraping (BeautifulSoup), and a scalable full-stack architecture.
• Technologies used: Next.js, FastAPI, LangChain, HuggingFace Embeddings, GPT-4.1, BeautifulSoup, Clerk.

Diabetes Predictor — AI-Powered Risk Prediction Platform |diabetes.maheshdarapureddy.in

• Engineered a predictive web application to assess diabetes risk using trained machine learning models.
• Integrated PDF report generation and secure user profile management with Clerk authentication.
• Technologies used: Next.js, Flask, MongoDB, Machine Learning, Clerk.

Kidney Stone Detection — CNN-Based Medical Imaging System | detect.maheshdarapureddy.in

• Developed a deep learning model using Convolutional Neural Networks to classify kidney ultrasound images.
• Achieved accurate detection by training on a labeled dataset with medical imaging data.
• Technologies used: HTML, CSS, JS, Flask, TensorFlow/Keras, CNN, Deep Learning.

Internships

- Python Development - AICTE
- Python Full Stack - Eduskills
- Frontend Development - AICTE

Certifications

- Certified System Administrator – ServiceNow | **View**
- Certified Application Developer – ServiceNow | **View**