BADAVATH NARENDER

Full Stack Engineer (Python | Django | AI Integration)

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EDUCATION

Malla Reddy College of Engineering   Hyderabad, India
Computer Science & Engineering; CGPA: 7.91   **June 2022 - August 2026**
T.T.W.U.R.J.C. Government College   Kama Reddy, India
Physics, Chemistry, Mathematics; GPA: 7.88   **June 2021 - August 2022**
Vignan Public High School   Gandhari, India
Maths, English, Telugu, Hindi; GPA: 9.0   **June 2019 - 2020**

SKILLS SUMMARY

- **Core Competencies:** Full Stack Development (MERN & Django), Generative AI, Large Language Models, Retrieval-Augmented Generation (RAG), Blockchain (Intermediate Level), DSA
- **Programming Languages:** Python, JavaScript.
- **Frameworks & Libraries:** React.js, Django, Streamlit, Pandas, NumPy, Scikit-Learn, Matplotlib
- **AI / Machine Learning Tools:** LangChain, OpenAI APIs, Hugging Face Transformers
- **Databases:** MySQL, SQLite
- **Tools & Technologies:** Git/GitHub, Gilab, Terraform, Power BI, Microsoft Excel, Microsoft PowerPoint
- **IDEs & Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA

WORK EXPERIENCE

- **Development Intern – The Developers Arena (May – Oct 2025):** Developed responsive front-end features, integrated APIs, and enhanced web application performance.
- **AI Developer Intern – Swecha (IIIT Hyderabad & Meta) (May 2025):** Contributing to Telugu LLM development using Python, AI/ML frameworks, and DevOps for scalable Indic AI systems.
- **Conversational AI Analyst – AICTE & Edunet Foundation (Sept – Oct 2025):** Worked on conversational data analytics using LLMs, building AI case studies across multiple domains.
- **Full Stack Developer – Learn Fusion (Sept – Nov 2024):** Built and optimized full-stack modules with MERN and Django, improving UI responsiveness and backend efficiency.
- **MERN Stack Developer – DevRhylme Foundation (May – Jul 2024):** Designed and tested MERN stack applications, enhancing debugging and version control through Git and GitHub.

PROJECTS

PrajaVote E-Voting System (Own Full Stack Development Project) (July – Oct 2025)

- Developed a secure full-stack e-voting platform for Northern Telangana districts with identity verification, digital voting, real-time result tracking, and survey data management using React, Node.js, TypeScript, and PostgreSQL.

Banjara Language Translator (Own AI + LLM + Custom Dataset Project) *(Aug – Oct 2025)*

- Developed an AI-powered system translating Banjara → 5 Indian languages using Whisper, Hugging Face mBART/NLLB, and a custom dataset. Built a real-time Streamlit app with speech, text, and image translation and AI fallback logic for accuracy.

Bharat-AI-OCR-LLM (Telugu OCR + NLP Processing Application) (July 2025 – Aug 2025)

- Built a Streamlit app for Telugu & English OCR using Tesseract & OpenCV, with NLP-based text processing and robust error handling. Enhanced usability with an integrated OCR + NLP pipeline.

Voice Assistant using Python (Own Project) *(July 2025)*

- Developed a Python voice assistant with speech recognition and spoken feedback, supporting greetings, time/date, and Google search automation. Implemented speech-to-text and text-to-speech using Speech Recognition, pyttsx3.

QR Code Based Attendance System (College Mini Project) *(Mar – Apr 2025)*

- Built a contactless attendance system using Python (OpenCV) and a secure Django + MySQL admin portal for real-time tracking. Improved scalability, usability, and data integrity for multiple users.

AI Assistant Chatbot *(Jun 2025)*

- Developed a multifunctional AI assistant for Q&A, summarization, and information retrieval with a Streamlit frontend using OpenAI API. Focused on natural language understanding and task automation.

Government Web Portal & Rural Development Initiatives (Own Project) *(Jul – Oct 2024)*

- Created a portal to manage rural development activities across Telangana, including government announcements, MLA updates, and village-level tracking. Improved transparency and communication between officials and citizens.

Terraform-Based Infrastructure as Code for College Website Deployment *(Apr – Jun 2023)*

- Automated AWS S3 static website deployment using Terraform IaC scripts and configured AWS CLI for seamless integration. Gained hands-on experience in DevOps practices and cloud infrastructure management.

HACKATHONS & COMPETITIONS

Smart India Hackathon 2024 – College Level Participant

- **Problem Statement:** AI-Driven Crop Disease Prediction and Management System

  Collaborated with a team to design an AI-based solution for crop disease detection and management, leveraging machine learning, image classification, and precision agriculture techniques.

CERTIFICATES

- **CFI Summer School (IIT Madras) Certificate (Mar 2023)-** Gained hands-on experience in programming, AI, web development, space technology, and 3D printing.
- **DevOps Tools & Processes Certificate (IBM, Nov 2024)-** Acquired practical knowledge of DevOps tools, methodologies, and workflow optimization.
- **Global AI Bootcamp 2025 (Microsoft, Hyderabad) –** Gained insights into advanced AI trends and real-world applications.
- **Train-IT Hackathon (AIT Pune) – Collaborated-** on innovative tech-based solutions during the hackathon event.