

Vishnu Vardhan Gudipati

Data Scientist, AI Engineer and Web Developer

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Profile

I'm an engineer with a passion for the evolving fields of technology, especially in Artificial Intelligence, Machine Learning, Data Science, Web Development, Information Technology, and Programming. My technical toolkit includes expertise in C/C++, Python, R, Java, HTML, CSS, JavaScript, and SQL, complemented by strong skills in communication, problem-solving, and logical reasoning. I thrive in team settings, bringing excellent communication skills and a collaborative spirit to every project. Committed to lifelong learning, I continuously update myself with the latest tech trends to stay ahead in the fast-paced world of engineering.

Areas of Expertise

Artificial Intelligence - Machine Learning - Deep Learning - Generative AI - Data Science - Data Analytics - Data Visualization - Web Development - Database Management - Natural Language Processing - Statistics - Linear Algebra

Projects

Movie Recommendation System, (*CineFinder*) **ML, WEB** 11/2023 - 12/2023

- Developed a tailored movie recommendation engine capable of suggesting films based on genre, actor, or random selection.
- Integrated user interface with backend machine learning models to streamline movie discovery and selection processes.

Document and Information Summarization Tool, (*InfoClarity*) **AI,LLM** 09/2023 - 12/2023

- Engineered a language model for precise summarization of extensive documents, web articles, and research papers.
- Implemented a text-to-speech feature for converting text into natural-sounding audio, enhancing accessibility.

Data Science Project, (*Credit Card Approval Predictor*) **ML** 04/2023 - 05/2023

- Utilized machine learning to predict credit card approval decisions, automating and enhancing the accuracy of the approval process.
- Analyzed factors such as loan balances and income levels to train the model effectively.

Twitter Sentiment Analysis Tool, (*SenTweet*) **ML, DL** 03/2024 - Present

- Designed a sentiment analysis system for Twitter using a dataset from Kaggle to gauge public opinion and trends.

Image and Story Generation Application, (*Imagetory*) **GEN AI** 08/2023 - 09/2023

- Created a language model application for generating images and stories based on text input using Hugging Face Transformers.

IoT-based Agricultural Project, (*Automated Irrigation System*) **AUTOMATION, IOT** 03/2023 - 04/2023

- Developed an automated drip irrigation system that optimizes water usage and increases crop growth efficiency.
- Implemented moisture level monitoring and automated water pump control.

Referral Message Generator, (*Refer Up*) **GEN AI, WEB** 04/2023 - 05/2023

- Created a web application for generating personalized referral messages to facilitate user networking and promotion.

Educational Environment Web App, (*EDUENV*) **WEB, SMART EDUCATION** 09/2023 - 10/2023

- Designed an educational environment for a hackathon to support learning and teaching processes.
- Focused on user-friendly interfaces to enhance engagement and educational outcomes.

Achievements

- Hackathons:** Participated in 11 hackathons conducted by major organizations; won 3 major hackathons conducted by International Tech Organization and Major League Hacking.
- Projects and Contributions:** Created over 20 projects and contributed to more than 10 organizations on GitHub.
- Competitions:** Secured Gold position in HackerRank and HackerEarth competitions.
- Volunteering:** Successfully conducted Blood, Cancer screening and other Health camps across the colleges in Telangana state as part of Sreenidhi Cancer Foundation.

Online Courses & Certifications

- Python For Data Science (Aug. 2023) - [NPTEL](#)
- AWS Academy Graduate - AWS Academy Machine Learning Foundations (Oct. 2023) - [AWS Academy](#)
- Google Data Analytics (Nov. 2023) - [Coursera](#)
- AWS Academy Graduate - AWS Academy Cloud Foundations (Sep. 2023) - [AWS Academy](#)
- Data Scientist in Python (Jul. 2023) - [DataCamp](#)
- Machine Learning Specialization (Feb. 2024) - [Coursera](#)
- Algorithmic Toolbox (Aug. 2023) - [Coursera](#)
- Data Science For Engineers (Mar. 2023) - [NPTEL](#)

Education

B.Tech Computer Science-(AIML) [Sreenidhi Institute of Science and Technology](#) **Telangana, India** 2021-2025

Relevant Courses: Artificial Intelligence, Machine Learning, Operating Systems, Database Mangament Systems, Discrete Maths, Computer Networks, Software Engineering, Data Warehousing and Data Mining

Skills

- **Programming:** C, C++, Java, Python, R, Javascript
- **Machine Learning:** Scikit-learn, Pandas, Numpy, Scipy, Tensorflow
- **Gen Ai:** Hugging Face, Langchain, Pinecone
- **Data Science:** Pandas, Numpy, Scipy, Scikit-learn, Matplotlib, Seaborn
- **Web Development:** HTML, CSS, Javascript, Bootstrap, Flask
- **Database Mangement:** MongoDB, MySQL, PostgreSQL, SQL Oracle Server, Bigquery
- **Soft Skills:** Presentation, Planning, Organizing, Creative Problem-Solving, Teamwork, Active Listening, Adaptability, Analytical Thinking

Languages

- **English** [Professional]
- **Hindi** [Intermediate]
- **Telugu** [Native]