Karne Karthikeshwar Reddy

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EDUCATION

- **DDMS P OBUL REDDY PUBLIC SCHOOL** — Hyderabad, India
  Higher Secondary Education; Percentage : 95.8 — *June 2021 - March 2023*
  Courses: *Python , MySQL , Maths , Physics , Chemistry , English*

- **Symbiosis Institute of Technology** — Pune, India
  Bachelor of Technology - Artificial Intelligence and Machine Learning; GPA: 8.53 — *August 2023 - June 2027*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

SKILLS SUMMARY

- **Languages**: Python, HTML , CSS, C, JavaScript, SQL, JAVA
- **Frameworks**: Scikit, NLTK, SpaCy, TensorFlow, Keras, Flask , Langchain
- **Tools**: GIT, PostgreSQL, MySQL, SQLite
- **Platforms**: Linux, Web, Windows, GCP , Streamlit Cloud, Aiven
- **Soft Skills**: Leadership, Event Management, Writing, Time Management

EXPERIENCE

- **LearnGenie** — Remote
  AI Developer (Hackathon Project) — *July 2024 - Present*
  - **AI-Powered EdTech Solution**: Developed an AI-driven platform to assist educators and students with personalized learning recommendations.
  - **Model Deployment**: Integrated trained models into a Streamlit app for real-time classification and analysis.
  - **Team Collaboration**: Worked with a cross-functional team to build and deploy the project at **learngenie.streamlit.app**.

- **DealPool** — Remote
  Founder & Developer — *Sept 2024 - Present*
  - **Business Model Development**: Conceptualized and designed a mobile application enabling users to pool offers and save money.
  - **Website Development**: Built and deployed a user-centric website for the platform, focusing on ease of use and engagement.
  - **Revenue Model**: Integrated commission-based deal collaborations with stores to enhance profitability.

- **Prodigy & Vault of Codes** — Remote
  Machine Learning & Data Science Intern — *2024*
  - **Machine Learning Projects**: Worked on ML models involving classification, regression, and predictive analytics.
  - **Data Analysis**: Conducted exploratory data analysis and visualization using Python and PowerBI.

- **Hackathons & Competitions** — India
  Participant & Finalist — *2023 - Present*
  - **New India Vibrant Hackathon 2023 (Grand Finalist)**: Developed an AI-powered solution addressing a real-world problem.
  - **Aarambh Season 2 (3rd Place in Business Pitching)**: Pitched DealPool's business model, securing a top-three position in the competition.
  - **Knownnect & Entrepreneurial Meets**: Participated in multiple competitions focused on business strategy and innovation.

PROJECTS

- **DealPool - Group-Based Offer Pooling (Web Development, Business Model, AI)**: A mobile app concept allowing users to pool deals and split costs, increasing customer savings and business growth. Tech: Python, MySQL, Streamlit, HTML, CSS, JavaScript (September '24 - Present)

- **Sportans - Sports Analytics Platform (Data Science, AI, Web Development)**: Developed a sports analytics platform providing insights using machine learning and data visualization. Tech: Python, MySQL, Streamlit, PowerBI (July '24)

- **LearnGenie - AI-Powered EdTech Platform (Machine Learning, NLP, Web Development)**: Created an AI-driven learning assistant offering personalized recommendations for educators and students. Tech: Python, Streamlit, OpenAI API, Scikit-learn (July '24)

- **AI Resume Filtering System (LangChain, NLP, LLMs)**: Built an AI-powered resume screening system using LangChain to extract relevant skills and match candidates to job roles. Tech: Python, LangChain, OpenAI API (February '25)

- **Airline Reservation System (Database Management, Web Development)**: Designed and implemented a complete airline reservation system with ER diagrams, relational schema, and sample data. Tech: MySQL, Python, Streamlit (October '24)

- **Hindustani vs Carnatic Audio Classification (Machine Learning, Audio Processing)**: Developed an ML model to classify Hindustani and Carnatic music based on extracted features. Deployed via a Streamlit app. Tech: Python, Librosa, Scikit-learn, TensorFlow (November '24)
- **Tourism Planner (Generative AI, Recommendation System)**: Hackathon project that generates personalized travel recommendations based on user input. Tech: Python, OpenAI API, Streamlit (October '24)
- **Treasure Hunt Game (C Programming, Data Structures)**: Designed a multi-player treasure hunt game using linked lists and graphs, assigning points based on steps taken. Tech: C, Graph Algorithms (November '24)

PUBLICATIONS

- **Probability in Gambling (Mathematical Modelling, Strategy)**: A research-based presentation on probability concepts in gambling, covering Martingale strategy, Law of Large Numbers, and real-world applications. (October '24)

HONORS AND AWARDS

- Grand Finalist at New India Vibrant Hackathon 2023
- 3rd Place at Aarambh Season 2 (Business Pitching Competition) - 2025
- Finalist at Aarambh Season 1 (Entrepreneurial Meet) at SBUP Pune
- Finalist at Entrepreneurial Meet at BITS Pilani, Goa Campus
- Finalist at The Better Hackathon , WeWorkSpaces

VOLUNTEER EXPERIENCE

- **Lead Applicant for GDSC Android Development Team**   SIT, Pune
  Applied for the lead position at Android development initiatives.   *Oct 2024*