

VARIKUTI GOPI

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Hardworking and enthusiastic Individual with a focus on Data Science and Python Backend Development. Dedicated and committed to becoming a reliable and valuable team member, I am eager to contribute my strong foundation in Artificial Intelligence, Machine Learning, and backend development skills. With proficiency in Python and effective communication abilities, I aim to support your team as a Python Developer and contribute to meaningful, high-impact projects.

EDUCATION

GMR Institute of Technology, Rajam

2021 - 2025

Computer Science and Engineering (Artificial Intelligence and Machine Learning)

- The skills learned in a B. Tech CSE-AIML program provide me with a solid foundation to pursue career in AI and ML, whether in industry, academia, or research.

BIIT Junior Academy, Guntur

2019 – 2021

Higher Secondary Certificate | Examination Score - 96%

- MPC program provides a strong foundation for pursuing undergraduate degree in mathematics, physics, chemistry, engineering, and related fields.

EXPERIENCES

Python Developer Intern | Indian Institute of Petroleum and Energy

Aug 2024 – Nov 2024

- Collaborated on backend development for IIPE service pages, implementing core functionality in Python to enhance page performance and user experience.
- Developed and optimized API endpoints to support data retrieval and interaction, improving efficiency and reliability across IIPE service platforms.
- Worked closely with the development team to integrate backend components, ensuring seamless functionality and alignment with project goals and requirements.

ACADEMIC PROJECTS

Smart Attendance System

Feb 2024 – Apr 2024

- Designed and implemented a real-time face recognition and tracking system to automate attendance management across multiple classrooms, integrating OpenCV and a robust face-recognition library to ensure accurate and efficient identification of students.
- Utilized Firebase as a real-time cloud database to store and update both image data and attendance records dynamically, enabling secure and immediate access to attendance logs and improving data reliability.
- Developed a user-friendly web application interface using Flask as the backend framework, handling API requests and managing database interactions. The frontend was created with HTML and CSS, offering an intuitive and accessible platform for administrators and users to view and manage attendance.

Django Student Online collaborative study Application

Aug 2024 – Sept 2024

- Developed a student-focused collaborative study platform using Django, enabling users to create, host, and participate in topic-based discussion rooms, fostering an environment of interactive learning and knowledge sharing among peers.
- Implemented robust user authentication and access control to ensure secure user registration and login, allowing users to engage safely and manage their profiles. Authentication was handled with Django's built-in authentication system, enhanced with session management for secure and seamless user experiences. Structured and managed the application database with SQLite3

Reward Hub – Social Media Rewards Platform

Sept 2024 – Nov 2024

- Designed an admin panel for creating, editing, and managing reward posts, as well as verifying and tracking user reward claims.
- Enabled users to view, submit, and track reward claims with status updates and a dashboard for total reward points and history.

- Implemented secure user authentication using Djoser, supporting token-based login, signup, and password management.
- Built RESTful APIs to handle frontend-backend interactions, ensuring efficient data management and seamless role-based functionality.
- Developed a user-friendly interface with Bootstrap, JavaScript and, delivering a smooth and intuitive experience for both admins and users.

CERTIFICATIONS

- Certificate Course in Machine Learning from NPTEL (*Jan 2023*).
- Certificate Course in Data Analytics from Coursera offered by Google (*Aug 2023*).
- Certificate Course in Introduction to Databases from Coursera offered by Meta (*Feb 2023*).
- Certificate Course in Programming in Python from Coursera offered by Meta (*Feb 2023*).

SKILLS & INTERESTS

- **Programming Languages:** Python, C, C++, SQL, CS Fundamentals
- **Frameworks & Libraries:** Django, Flask, Fast API, SQL Alchemy ORM
- **Web Development:** HTML, CSS, Bootstrap, RESTful APIs
- **Database Management:** SQLite, PostgreSQL, Firebase
- **API Development & Testing:** Postman, Git, GitHub

ACHIVEMENTS

- Qualified Graduate Aptitude Test in Engineering (**GATE**) in **2024** with **AIR 5480**, demonstrating proficiency in Data Science and Artificial Intelligence (DA)
- Achieved 2-Star rating on Leetcode, demonstrating proficiency in algorithmic problem-solving and coding skills.

EXTRA-CURRICULAR ACTIVITIES

NCC Cadet, Guntur

Jul 2017 – Aug 2019

- Participating in NCC helped me acquire various behavioral and personal development skills.

HOBBIES

- Natural Exploration, Language Learning, Cooking, Gardening.

DECLARATION

- ❖ I hereby declare that the information provided in this resume is true, complete, and accurate to the best of my knowledge and belief.