

Sydam Manikyala Rao

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Skills

Languages: Java, Python, Dart, SQL, R, HTML, CSS

Technologies & Tools: Android Studio, Flutter, RStudio, PowerBI

Work Experience

Geo Climate Risk Solutions Pvt. Ltd, Visakhapatnam

Aug 2023 - Jan 2024

GIS Developer Intern

- Increased user engagement through the implementation of lake polygon drawing feature, enhancing interactivity and user-friendliness.
- Enhanced data accuracy by integrating satellite imagery analysis, ensuring more precise assessments of lake health.
- Improved ecological insights by incorporating machine learning algorithms to analyze chlorophyll index, providing a more comprehensive understanding of lake ecosystems and their dynamics.
- Flutter, Dart

Forge, Remote

Jun 2023 - Jul 2023

Data Analyst Intern

- Demonstrated the company's growth trends and profit distribution across various sectors through data visuals, enabling higher officials to make informed decisions.
- Guided strategic expansion decisions by presenting regional profit analyses, empowering higher officials to identify potential areas for business expansion.
- PowerBI

Education

Vellore Institute of Technology

Aug 2021 - Present

B.Tech in Computer Science and Engineering

CGPA: 8.73/10

Relevant Coursework: Object Oriented Programming, Database Management System, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Warehouse and Data Mining, Applied Statistics

Little Flower Junior College, Hyderabad

Aug 2019 - Jul 2021

Intermediate in Maths, Physics and Chemistry

CGPA: 9.82/10

Relevant Coursework: Maths, Physics, Chemistry, English, Sanskrit

ST. Mark's High School

Aug 2011 - May 2019

State Boards


CGPA: 9.7/10

Relevant Coursework: Maths, Physics, Chemistry, English, Hindi, Telugu, History, Geography, Biology

Project Work

- **ChatBot Whaap (Aug 2023):** Engineered a chatbot that autonomously learns from WhatsApp chat history, enhancing user interactions. Integrated a sense of humor into responses, enhancing user engagement. Imported TensorFlow, tflearn, and numpy libraries to bolster project capabilities
- **Smart Irrigation using Solar Tracker (Feb 2023):** Integrated agri-solar system for efficient resource use. Engineered sun-tracking solar panel base for optimal energy capture. Automated soil irrigation, removing human monitoring
- **Registrator (Feb 2022):** Streamlined club enrollment with form development. Enabled seamless data storage via PHP database link

Awards and Certificates

- **Freelance as Subject Matter Expert:** Enhanced student comprehension and retention by implementing interactive subject learning modules. Streamlined exam preparation and assessment processes by developing a comprehensive question bank
- **Freelanced as Crypto Broker:** Incorporated Positive rise in my clients crypto Portfolios. Helped them to gain 80 percent profit. Made them familiar with crypto exchange platforms
- Enterprise Design Thinking Practitioner, certified By IBM  Certificate
- Gained MOU with AG Nagarjuna University, fostering collaboration