






SATHWIK MADALA

 sathwik.madala9@gmail.com
 Flat No #50, Aparna Kanopy,
Jasmine, Gundlapochampally,
Kompally, Hyderabad.


 INDIAN

 <https://www.linkedin.com/in/sathwikm99>

 9392526176

 2004/04/27

 MALE

 <https://www.hackerrank.com/profile/sathwikm99>

GITHUB:
<https://github.com/sathwik-chowdary>

PROFILE

As an enthusiastic B.Tech. Student majoring in Computer Science & Engineering (Data Science), my passion lies in leveraging data to extract meaningful insights. Seeking a job opportunity in data science to bridge the gap between theory and practice, gain hands-on experience, and make tangible contributions to innovative projects.

EDUCATION

2021 – present HYDERABAD, INDIA	B. Tech MALLA REDDY ENGINEERING COLLEGE(MREC) GPA: 8.56/10
2019– 2021 ANDHRA PRADESH, INDIA	INTERMEDIATE VISWASAI EDUCATION SOCIETY MARKS: 953/1000
2019 ANDHRA PRADESH, INDIA	SSC VISHWAM HIGH SCHOOL GPA: 9.7/10

PROFESSIONAL EXPERIENCE

DevOps-Intern

GRID DYNAMICS

Project: Fine-Tuning a Language Model for Specialised G-code Generation Using 3D Printing Data

The primary objective of this project is to build a domain-specific fine-tuning dataset for large language models (specifically Gemma 3), enabling them to generate and interpret G-code—the programming language of 3D printers—from natural language prompts.

We aim to train the model such that it can:

- Understand high-level user prompts like “Create a 20mm cube” or “Make a hollow cylinder with 5mm walls”.
- Translate them into machine-level G-code instructions.
- Provide explanatory, step-by-step annotations of existing G-code files.
- Leverage both STL files (geometry) and G-code (toolpaths) for multi-modal understanding.

This pipeline enables instruction tuning by aligning low-level mechanical operations with human-intuitive descriptions.

TECHNICAL SKILLS

Programming language

- DevOps
- PYTHON
- DSA

Web | Databases

- HTML
- CSS
- JS

PROJECTS

Find and Found:

- Find and Found is an innovative system aimed at facilitating the recovery of lost items. It offers a user-friendly online platform where individuals can report their lost valuable belongings, enabling them to connect with potential finders.
- The primary works of the invention are to improve the chances of successful item reunions, foster trust and honesty within the community, provide a user-friendly experience, enhance efficiency and speed, ensure sustainability through a payment system, promote accessibility, and facilitate continual improvement and future enhancements.

Expense Tracker App:

- The Expense Tracker App, using Swing is a Java-based application designed to simplify and streamline the process of managing personal expenses.
- The primary goal of the Expense Tracker App is to provide a convenient platform for users to record, categorize, and analyze their expenses effortlessly.

INTERNSHIPS

- **DevOps intern, Grid Dynamics.**
- **Python intern, Skill dunia.**
- **Java Developer intern, Skilltimate Technologies.**

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Cloud Guru : Jenkins, Ansible, Docker,
- Great learning : Data Analysis & SQL
- Skilltimate technologies : C & python certificates
- tutors' campus : Data Structure
- Udemy course : Python
- Cognitive class.ai : python 101 for data science
- Tutorials point : HTML/CSS
- Skill Dunia : Machine Learning with Python

ACADEMIC ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

- I achieved patent rights for the project named FIND and FOUND.
- Participated in a web development workshop in a 4-day technical event (PRAESTO 2K23).
- Acquired 4-star badge for SQL in HackerRank.
- Participated in a technical quiz in MREC.
- Participated in Inter-College Project Expo & built a model titled Hangman game.
- Participated in a web development workshop in a 4-day technical event (PRAESTO 2K23).

DECLARATION

All the above particulars furnished by me are true to the best of my knowledge and belief. I assure you that if I am given a chance, I will execute my work to the fullest satisfaction of my superiors.

SATHWIK MADALA