

Experience

Innova Solutions	September 2023 – Present
Junior Software Engineer -Data Scientist	Hyderabad
<ul style="list-style-type: none">Directed machine learning and generative model projects, specializing in LLMs.Spearheaded a medical chatbot initiative using RAG methodology for enhanced response accuracy.Employed prompt engineering techniques to optimize chatbot performance.Enhanced responsiveness and accuracy in interpreting user queries effectively.	
The Spark Foundation	May 2021 – June 2021
Data Science and Business Analytics	Remote
<ul style="list-style-type: none">Successfully completed data science tasks assigned by the company, applying business analytics methods.Analyze and Visualizing the data.	
Space Education Research and Development (NASA)	May 2021 – June 2021
Research Asteroid	Remote
<ul style="list-style-type: none">Participated in the analysis of images using Astrometric software to observe near-Earth objects and Main Belt Asteroids. Credited with the preliminary discovery of ASTEROID (P11fQbH-V Dande) through active involvement in the initiative.	
IIT-Hyderabad E-CELL	November 2020 – February 2021
Campus Ambassador	Remote
<ul style="list-style-type: none">Collaborated with professors and administrators on campus to establish effective communication channels for student outreach.	
Digital Investo	September 2020 – October 2020
Campus Ambassador	Remote
<ul style="list-style-type: none">Coordinated efforts with advertising teams to ensure cohesive messaging and brand consistency.	

Projects

MediBot – Providing Medical Information

- Engineered a medical information bot leveraging RAG, LLM, and prompt techniques.
- Trained on tablet data for precise information retrieval and optimization.
- Designed and implemented an HTML/CSS interface for user interaction.
- Integrated Flask-generated API with JavaScript for seamless backend functionality.

Detecting Toxicity on social media: A Multi-task Learning Approach

- Developed and deployed a machine learning model for automatic detection of offensive language on social media. Achieved high accuracy in classifying tweets for offensive content and identifying target types.
- Conducted comparative analysis of supervised machine learning models for social media offensive language detection. Optimized model performance through data preprocessing and sampling techniques, selecting top algorithms for specific subtasks.

Re-Medicine

- Developed a Flask-based medication tracking app with MongoDB and OpenCV. Utilized Mini QR tags for expiry dates, purchase history, and reminders.
- Created a medication app with Flask, MongoDB, and OpenCV, featuring Mini QR tags for storing details, expiry dates, and reminders. Proficient in CSS, Python, and HTML5.

Recruitment Management System

- Created a user-friendly job management system for seamless job creation and applications, enhancing recruitment processes.
- Streamlined job search experience for clients and recruiters using Tkinter, Python, and SQL technologies.

Skills

- Proficient in Programming: C, Java, Python | Database Management: MySQL
- Data Science: Pandas, Matplotlib, NumPy, Data Preprocessing, Regression Analysis, Regression Metrics.
- Generative AI: LLMs, RAG, Prompt Engineering, NLP
- Web Development: HTML, CSS, JavaScript
- Version Control: Git, GitHub | Tools: Visual Studio Code, MS-Excel
- Strong Problem Solver | Effective Communicator | Relational Database | Operating Systems

Education

Vidya Jyothi Institute of Technology	Aug 2019 – June 2023
Bachelor of Technology in Information Technology (CGPA of 8.40)	Hyderabad
Sri Chaitanya Junior College	July 2017 – May 2019
MPC (High School)	Hyderabad

Achievements

- Specialized in [Architecting with Google Compute Engine](#) through Coursera, powered by Google.
- Completed the 30-day [Google Cloud program](#) (QwikLabs) by Google.
- Participated in a Hackathon on Energy Conservation and Recent Trends conducted by my college.
- Led and managed events for a prestigious college [technical fest](#) in 2022.
- Orchestrated a team of 70+ students for a successful [Hackathon](#) hosted by J-HUB in 2022.
- Attained Semifinalist status in the esteemed [Cisco National level Code-Athon](#) in 2020.
- Secured a place as a Semifinalist in [Code Gladiators](#) 2021, a competition organized by #Techgig and presented by Cognizant.
- Acknowledged by Google Cloud for completing the [#30DaysOfGoogleCloud](#) Program, earning certificates and coveted schwag.