



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.TECH	IIT Kharagpur	8.60 / 10
2021	B.TECH	JNTU, Kakinada	8.56 / 10
2018	Diploma	SBTET, Andhra Pradesh	93.48%
2015	SSC	Board of Secondary Education	9.00 / 10

INTERNSHIPS

Artificial Intelligence Intern | Ford Motor Company | Chennai [May 2023 - Sep 2023]

Objective: To explore and leverage Generative AI and Large Language Model towards creating customized solutions for business

- Developed a **Large Language Model solution to fulfill the company's training needs**, resulting in a significant reduction in training time
- Created **LLM-based content classification solution** that categorized support emails by technology name, boosting productivity
- Developed a state-of-the-art solution using **Google's PaLM Model** and **LangChain** technology, incorporating **Retrieval Augmented Generation, Prompt Engineering**, and In-context Learning (Few-Shot Learning) to leverage Generative AI for customized applications

PROJECTS

Artificial Intelligence for Carbon Accounting (MTP) | Prof Mihir K Das | IIT Kharagpur [Aug 2023 - Present]

- Objective: To develop an AI-based tool for carbon accounting that automates and enhances emissions reporting and reduces errors

Google Cloud Platform Exploration | Ford Motor Company | Chennai [May 2023-Aug 2023]

- Undertook a study of GCP, with an emphasis on Vertex AI and Cloud Data Fusion, while gaining valuable insights into Cloud IAM
- **Integrated GCP storage services with QlikSense, Alteryx, and Cloud Data Fusion** resulting in streamlined operations for organization

Drug Classification using Decision Tree based Machine Learning Model | Design Lab | IIT Kharagpur [Sep 2022 - Dec 2022]

- Developed a decision tree model using scikit-learn to classify drugs based on patients' health, improving medical treatment outcomes

A cloudburst prediction framework | Prof. Pranab Deb [Sep 2022 - Dec 2022]

SKILLS AND EXPERTISE

Machine Learning and NLP: Large Language Models (LLM) | Retrieval Augmented Generation (RAG) | Prompt Engineering | In-Context Learning | Natural Language Processing (NLP) | Machine Learning | Generative AI | **Cloud Platforms and Tools:** Google Cloud Platform | Vertex AI | Identity Access Management | Data Fusion | MySQL | **Programming Languages and Libraries:** Python | LangChain | Scikit-Learn | NumPy | Pandas | Matplotlib | Seaborn | **Soft Skills:** Leadership | Networking | Team Work | Problem Solving | Collaboration

CERTIFICATIONS

Prompt Engineering for Chat GPT | Vanderbilt University [Aug 2023]

LangChain: Chat with Your Data | Harrison Chase | DeepLearning.AI [Jul 2023]

Data Science | AcmeGrade | IIT Bombay [Jan 2023 - Mar 2023]

Data Analysis with Python | IBM Skills Network | Coursera [Dec 2022 - Jan 2023]

POSITIONS OF RESPONSIBILITY

Governor | Founding Member | CORAL Alumni-Student Connect | IIT Kharagpur [Aug 2023 - Present]

(Strengthened CORAL department by founding connections since 2005, organizing events, leveraging alumni networks)

- Pioneered connections between juniors and seniors in CORAL, fostering bonds, established a chain across all the graduating classes

Student Welfare Secretary | LBS Hall of Residence | IIT Kharagpur [Sep 2022 - Apr 2022]

- Coordinated and executed various events for the welfare of **2000+** students residing in LBS Hall, demonstrating strong interpersonal skills

Organizer | AMZ Automotive | SRKR Engineering College [Dec 2019]

- Spearheaded a successful intern program as liaison between department and AMZ Automotive, facilitating valuable learning opportunities

Managing Body Member | SRKR Automotive Club [Aug 2020 - Apr 2021]

- Initiated the reform of the club, overseeing student team recruitment, and serving as liaison for college and motorsport event organizers

COMPETITION/CONFERENCE

GDIA Large Language Model Hackathon | Ford Motor Company | Chennai [Jul 2023]

Title: Accelerate Business Outcomes with LLM and Generative AI-Assisted SQL Generation

Problem: Business teams need technical support to use SQL effectively, hindering its role in business-critical systems due to learning curve

- Co-Led **team of 5** and created LLM-based solution that **converts plain text to SQL**, streamlining SQL generation for business team

Student Delegate | IIT Bombay [Apr 2023]

- Attended National Seminar on Machine Learning and Deep Learning Applications in Geosciences (2023), held at IIT Bombay

AWARDS AND ACHIEVEMENTS

Accomplishment for Excellence & Collaboration | Ford Motor Company | Chennai [Aug 2023]

- Garnered **recognition for demonstrating excellence** in collaboration, strong continuous learning, and innovation in a short timeframe