



Gurram Koushik reddy
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Indian Institute of Technology Bombay

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B.Tech.
Gender: Male
DOB: 06/08/2003

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2025	8.17

Pursuing a **Minor in Artificial Intelligence and Data Science** under the Department of C-Minds, IIT Bombay

SCHOLASTIC ACHIEVEMENTS

- Secured **99.52** percentile in JEE Mains out of **1.2M** candidates | Ranked in top **2.5%** in JEE Adv(0.25M+) (2021)
- Achieved a rank of **425** in **TS EAMCET**, conducted by **JNTUH**, out of **2 lakh** candidates across TS (2021)
- Scored an **SPI**(Semester Performance Index) of **9.71** in the 5th sem and **9.29** in 6th semester of the college (2023)

PROFESSIONAL EXPERIENCE

Software Developer Intern | **Vahanfin** | *Online platform providing affordable RTO services* (Apr'24 - May'24)
Awarded **Letter of Recommendation** for exemplary performance and dedication during the Internship tenure

- Built a full stack web application using **React** and **Node.js**, serving as a one-stop dashboard for over **100+** **brands**
- Implemented key features such as **Vehicle validation**, **Rc data retrieval** and **E-challan management** efficiently
- Integrated multiple **APIs**, utilized **MongoDB** for real-time data and efficient management and hosted it on **VPS**

Machine Learning Intern | **NoQs** | *SaaS based firm providing digital commerce solution's* (May'24 - Jun'24)

- Developed a chatbot for an eatery using **Dialogflow** to handle customer **queries** through a conversational interface
- Implemented features like **order placement**, **modification**, and **tracking** using **MySQL** and **FastAPI** backend
- Utilized Dialogflow's **intent recognition model** to classify user intents and provided automated responses effectively

KEY PROJECTS

Web Search Engine | **Hackathon** | Tool delivering relevant coding questions based on user queries (May'23 -Jun'23)

- Extracted a dataset of over **2000+** coding questions from the **LeetCode** website using **web scrapping** techniques
- Processed and **tokenized** the obtained data, built an inverted index, and calculated **IDF values** for efficient search
- Implemented **TF-IDF** for search **optimization** and developed a **Flask** based backend and deployed it on **Heroku**

E-commerce Website | **Self-Project** | Created a comprehensive end-to-end online clothes shopping platform (Jan'24)

- Created a dynamic and responsive e-commerce platform using **React** for the frontend and **Node.js** for the backend
- Utilized **Express.js** for server-side functionalities and **MongoDB** for the efficient database management and storage
- Implemented **user authentication**, product and **cart functionalities**, and integrated a secure **payment gateway**

Insurance Claim Fraud Detection | **Course Project** | **Prof. Kshitij IIT Bombay** | **DH302** (Oct'23)

- Conducted extensive **EDA** and feature engineering on dataset resulting in a feature set of **247** attributes for analysis
- Utilised models such as SVM, Random forest, Decision tree for training, **Grid search CV** for parameter finetuning
- Developed an optimized ensemble model with **diverse base learners**, achieving a **0.962 AUC** and **0.65 F1 score**

Personality-Driven Weather Bot for Discord | **Self-Project** | Bot providing location-based updates (Apr'24)

- Developed a Python-based Discord bot using **GPT-4**;integrating multiple APIs to provide humorous weather updates
- Designed intelligent response logic for selective weather inquiries and general knowledge, boosting the bot versatility

Retail Management Tool | **Self-Project** | Created a user interface for effectively displaying database response (Jul'24)

- Developed an **LLM-driven user query system** that converts natural language into **SQL** for execution in **MySQL**
- Utilized Langchain, **Google Palm**, and **ChromaDB** for few-shot learning and handling complex query management

IMDB Sentiment Analysis | **Self-Project** | Deep learning model to classify movie reviews (Jul'24)

- Developed an **LSTM based Deep learning model**, that classifies the movie reviews as either **positive** or negative
- Used Python libraries for data preprocessing and **TensorFlow/Keras** for model training, achieving **87% accuracy**

MISCELLANEOUS & EXTRACURRICULARS

Mentorship	• Mentored Students of Algozenith summer batch in understanding DSA concepts ['23]
Skills	• C++, Python, JavaScript, TypeScript, NodeJs, ReactJs, Pandas, Sklearn, NLTK, Pytorch, ExpressJs, PowerBI, MongoDB,MySQL, SQL, REST Framework,Git, Matlab, Octave, Latex['24]
Courses	• Intro to ML, Optimisation models, Applications of ML in medical feild, Data Analysis & interpretation, Probability, Calculus, Linear Algebra, Speech and natural language processing ['24]
Sports	• Successfully completed a year-long cricket course under the National Sports Organisation ['22]
Cultural	• Participated in Dance competition conducted by TELCA association IIT Bombay ['23]