

# ADITHYA MADIRI

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## EDUCATION

**Rajiv Gandhi Institute of Petroleum Technology**

(Sep 2021– Jun2025)

Bachelors in Information Technology

### Relevant Courses:

DSA, OOP's, Deep Learning, Data Mining, DBMS, Computer Networks, Software Engineering, Computer Architecture, Discrete Mathematics, Linear Algebra, Calculus, Statistics, Numerical Analysis, Linear Optimization

### Certifications:

The Complete 2023 Web Development Bootcamp - Angela Yu

## TECHNICAL COMPETENCIES

### LANGUAGES

C, C++, Python, Java, Node.JS, CSS, React JS, HTML, SQL, Database management

### Developer Tools

Git/GitHub, Terminal, VS Code, Jupyter Notebook, AutoCAD, Autodesk MAYA.

### Soft Skills

Team work and leadership qualities, creative, passionate, cooperative innovative collaboration accountability and critical time management

## PROJECTS

### Twitter Safe: NLP-Powered Comment Safety Analyzer

(Dec23–May24)

- Twitter Safe A cutting-edge application leveraging NLP techniques to enhance online safety by 50%
- Developed a sophisticated model trained on a large dataset consisting of over 50,000 samples using a bidirectional Long short term memory
- Short-Term Memory bi LSTM architecture with precision of 90.5%
- Achieved a remarkable accuracy rate of 92.5% in toxicity detection

### Food Delivery

- Dedicated to delivering exceptional user experiences and optimizing engagement. Experienced in designing and implementing front-end solutions, collaborating effectively with cross-functional teams to develop scalable and high-quality web applications.

### Advancements in 3D QGIS for Urban city Planning

(1Aug–19Nov)

- Proficient in Geographic Information Systems technology, with a focus on developing algorithms for generating elevation contour maps and representing terrain features by 80%
- Significance of Digital Elevation Models (DEMs) as digital representations of terrain elevation and outline using elevation point datasets to generate accurate and detailed 3D representations of urban landscapes.

### Customer Churn Predicting model

(10May– 21June)

- **Data Preparation:** This involves gathering relevant data and preparing it for model use. Data preparation often constitutes 80% of a data scientist's work.
- **Exploratory Data Analysis:** This step aims to understand the data and identify factors contributing to customer churn in the business by accuracy of 84%
- **Predictive Modeling:** The final step involves creating a predictive model to identify high-risk customers before they churn increasing the prediction by 4%

## ACHIEVEMENTS

- Secured third prize in the Hackathon held at RGIPT Urjotsav
- Qualified for the prestigious IIT-JEE Advanced 2021, securing a remarkable ranking in the top 2% a