KUTHADI JASWANTH SAI PREM

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Mining Engineering IIT (BHU), Varanasi	7.38	2025
BIEAP (XII)	Sri Chaitanya Junior College	79.80	2020
BSEAP (X)	Prathibha EM High School	85.50	2018

SKILLS

- **Programming Languages :** MySQL, Python, C++, HTML, CSS
- **Area Of Interest :** Data Analysis, Strategy Development, Data Structures and Algorithms, Event Management
- **Soft skills:** Team player, Active Listening, Leadership, Time Management, Effective Communication
- **Tools and Frameworks:** Microsoft Excel, Power Bi, Jupyter Notebook, Visual Studio Code, MySQL, Microsoft Office

INTERNSHIP/TRAINING

Data Science Intern | My Analytics School   07/06/2024 - 15/07/2024

Feedback mechanism using LLM's

- Led a team of **over 20 students** to successfully develop a feedback generation system for My Analytics School
- Built an **Advanced Retrieval-Augmented Generation (RAG) engine** leveraging Python and **LangChain framework** to seamlessly generate personalized and actionable feedback for customers, enhancing their experience
- Utilized **Google Gemini LLMs** within the RAG engine to thoroughly analyze exam performance and historical data, providing deep, actionable insights and significantly improving overall feedback quality and operational precision
- Saved **₹5.4 Crore** by implementing a feedback system that improved efficiency and demonstrated operational impact

PROJECTS

Uber Data Analysis   Dec 2023 - Jan 2024

- **Performed comprehensive data cleaning** on a dataset with over **31 million entries** for advanced analysis
- Analyzed Uber demand in **NYC using time series**, identifying usage **patterns** by hour, week, and month
- Visualized Uber's ridership **growth in NYC** and an estimated value of the NYC market and revenue growth, revealed total revenue of Uber in **1 year as 595** Million USD, growth in NYS as **84%** and Gross Margin of **149 Million USD**

Single Image Super-Resolution using GAN   Jan 2023 - May 2023

- Developed a Super Resolution **GAN model**, enhancing image quality by a factor of four, improving visual clarity
- Integrated **perceptual loss** using pre-trained models, validating image accuracy against original high-res features
- **Exposure :** Python, NumPy, CNN, TensorFlow

Mine Machinery Predictive Maintenance   Jan 2024 - July 2024

Under the guidance of Professor Suprakash Gupta(HOD), Department of Mining Engineering, IIT(BHU)

- Developed and deployed a machine learning model for **forecasting mine vehicle reliability** using of the **TTF** data
- Developed a real-time application using **Weibull Distribution** to calculate and visualize reliability with a **graph**
- Designed an optimized model for mine machinery, predicting lifetime and performance using data from **NCL (M.P)**
- **Exposure** : Jupyter Notebook, ML, HTML, CSS, JAVA SCRIPT, Flask AND Python

Sales Data SQL - Power BI Analysis   March 2024 - April 2024

- Performed analysis on company sales using **MySQL**, applying aggregates and joins to extract critical information
- Identified key metrics affecting sales performance of product categories, customer segments, location using **Power BI**
- Created **interactive dashboards** for sales and profit analysis over **3 years**, enabling real-time trend monitoring
- Developed recommendations based on data analysis, providing insights into the most effective strategies

POSITION OF RESPONSIBILITY

Workshop Executive || Technex'22 (IITBHU)   March-2022 -March-2022

- Coordinated a **15-member team** to successfully execute AI, ML, Web Development workshops for **350+ students**

Cricket Co-ordinator|| Spardha'23 (IITBHU)   oct-2023 - oct-2023

- Managed **8 cricket teams**, coordinating logistics, scheduling, and facilities to ensure seamless tournament operations

HONOURS AND ACHIEVEMENTS

- Experienced **CS** professional with expertise in providing comprehensive solutions and guidance as **Chegg expert**

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