

VENKATA RAVI TEJA ABBURI

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EDUCATION

B.Tech in Computer Science and Data Science

Raghu Institute of Technology, Visakhapatnam

Sep 2020 - Apr 2024

GPA: 8.08/10

Intermediate

Vision Junior College, Guntur

Apr 2018- Apr 2020

GPA: 8.73/10

CORE TECHNICAL SKILLS

- SQL
- Python
- OOPS
- Microsoft Tools
- JAVA
- Machine Learning

INTERNSHIP

AI Integrated With Full Stack Development Internship

Robocoupler

- Developed an e-commerce platform for legal services, allowing users to browse, purchase, and manage legal documents online.
- Integrated LegalZoom API for accessing legal documents and services, enabling seamless document management.
- Implemented secure payment processing using Stripe API, ensuring compliance with industry standards.
- Designed a user-friendly interface using React.js and Bootstrap, optimized for both desktop and mobile devices.

PROJECTS

Dynamic Pricing Strategy Using Reinforcement Learning

Major Project

- Implemented a dynamic pricing system leveraging real-time data analytics to adjust product prices based on market demand; resulted in a 25% increase in e-commerce revenue during peak sales periods.
- Successfully implemented a reinforcement learning solution for dynamic pricing, utilizing a simulated environment to train a Deep Q-Learning agent. This innovative approach resulted in a 3.48% increase in profits compared to the baseline pricing policy.
- Implemented advanced ETL techniques in Python, including product clustering based on type, group, and price quartiles, addressing challenges with new products and supply interruptions.
- Designed a robust system architecture involving a PostgreSQL Database, Flask API, and web page on HTML . Managed extensive data cleaning and preparation, including clustering products to address challenges posed by varying product behaviors.

T20 World Cup Cricket Data Analytics

Minor Project

- Performed data analytics on T20 world cup cricket (2022) data to build a team of dream 11 players.
- Used web scraping (through bright data) to scrape T20 cricket world cup data from espnricinfo website.
- Engineered data transformation and cleaning pipelines using Python, Pandas, and Jupyter Notebook; reduced data processing time by 50% and increased data accuracy by implementing robust error handling mechanisms.
- Arranged advanced data transformation techniques using Power Query within Power BI, Achieved a 40% reduction in data processing time and enhanced Data precision.

CERTIFICATIONS

Career Essentials in Data Analysis by Microsoft and LinkedIn, LinkedIn Learning

Data Base Management System , NPTEL Swayam

SQL, Hackerrank

Certificate of Achievement of Codekaze(All India Rank-665) , Coding Ninjas

Python Advanced, Cutshort