

Gaurav Goel

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Education

Maharaja Agrasen Institute of Technology(MAIT),GGSIPU , Bachelor of Technology in Artificial Intelligence and Data Science 2021 – 2025

- CGPA: 8.325/10
- **Coursework:** Data Structures and Algorithms, Machine Learning, Data Science, Java, Python (Programming Language), Object-Oriented Programming (OOP), SQL, Database Management, Web Development

Experience

Software Developer Intern, Joule universal August 2024 – Curr

Projects

Inventory and Employee Management System: Engineered an Incorporated platform to oversee both inventory tracking and employee data management; facilitated real-time decision-making processes, yielding time savings of up to 15 hours per week for managers on routine tasks.

Key Features:

- Developed and implemented a real-time inventory tracking system that streamlined part itemization for project management, streamlining operations and saving team members at least 10 hours weekly on manual data entry tasks.
- Introduced an efficient productivity monitoring framework paired with systematized salary computations based on completed tasks, enhancing accuracy and reducing processing time by up to 30% for the HR department.
- Applied robust data management solutions utilizing Java and SQLite, streamlining inventory tracking processes, which resulted in a 30% reduction in data entry errors across project management tasks.

Goel's Gpt-1.0 With Telegram Bot: Constructed an intelligent chatbot Website also integrated with Telegram using OpenAI's GPT-3.0 model to deliver automated, conversational responses, enhancing user engagement.

Key Features:

- Integration: Connected the bot with the Telegram API to facilitate seamless user communication.
- Launched an advanced AI bot that integrated seamless FAQs and informative responses, achieving a 90% success rate in resolving customer inquiries without human intervention, which increased overall service efficiency.
- Deployed the AI chatbot on a cloud platform, enhancing service reliability; achieved 98% uptime and enabled seamless scalability, accommodating up to 10,000 simultaneous customer interactions without latency.
- Technologies: Python, OpenAI GPT-3.0 Telegram API, Hugging Face.

Gender and Age Prediction: Engineered a machine learning solution to estimate gender and age based on user attributes, achieving an accuracy of **88.57%**, significantly enhancing personalization in various applications.

Key Concepts:

- Conceived targeted techniques for managing imbalanced datasets, resulting in a significant reduction of false negatives by over 30%, thereby improving detection rates within credit card fraud prevention systems.

Credit Card Fraud Detection: Designed and deployed an advanced machine learning system to detect and prevent unauthorized credit card transactions with an accuracy of **92.68%**.

Key Concepts:

- Imbalanced Data: Tackled the rarity of fraudulent transactions, minimizing false alarms and improving detection precision.

Stock Price Prediction: Formulated predictive models to forecast future stock prices with an accuracy of **59.58%**, aiding investors in making informed decisions.

Key Features:

- Enhanced data quality by implementing validation checks on over 50,000 stock price entries; this initiative led to a significant decrease in data discrepancies, improving the integrity of financial analysis reports.
- Automated model construction processes with Python libraries, creating scripts that reduced data processing time by 50% and allowing for rapid iteration on model performance, now adopted by 10+ analysts for daily tasks.

Additional Experience And Awards

Accenture Developer and Technology Job Simulation Forage

AWS Certified Solutions Architect Forage

Apna college (2024):The course of Alpha (DSA with Java).

Technologies

Languages: java, python, sql

Web Development : HTML, CSS, JavaScript,.

Applications : Eclipse, Visual Studio, Git, VirtualBox, MySQL, WireShark, JupyterNotebook, Pycharm.

Operating Systems : Linux, Mac OS, Windows, Android.

Interests

Trading, Movies, Technology, Gaming