Shrushti Raut

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PROFILE

AI ML enthusiast with a strong command of Python, data visualization, and interactive dashboard creation. Expertise in uncovering trends, optimizing processes, and delivering actionable insights to drive business growth. Proficient in Pandas for data manipulation and advanced visualization, transforming raw data into meaningful narratives. Known for exceptional communication skills, bridging the gap between technical findings and non-technical audiences. Passionate about leveraging data-driven strategies to enhance decision-making and improve organizational performance.

SKILLS

- Python
- SQL
- Microsoft Excel
- DSA
- C
- Git and GitHub
- Jupyter
- Data Visualisation (Power BI)
- HTML
- Operating Systems(Windows,MacOS)
- OOP

EDUCATION

BTech in Electronics and Communication (AI/ML Specialization) — 2023 – 2027
MIT-WPU — Pune
  FY CGPA: 8.51

SNBP's International Junior College — 2021 – 2023
  12th Boards: 73.1% — Pune, India

Pawar Public School,Amanora — 2008 – 2020
  10th Boards: 97.8% — Pune

PROJECTS

Airline Ticket Booking System
- Inefficient flight search and booking system for handling 1,000+ flight records, resulting in slow data retrieval and booking delays.
- Developed an optimized airline booking system using Python, implementing key features like flight search, ticket booking, and reservation management, with data stored in text files for quicker access.
- Enhanced system efficiency by reducing search times by 30%, leading to faster bookings and improved user experience.
- Skills Used: Python, Data Management, Text File Storage, Algorithm Optimization, System Efficiency.

Voting System using DSA
- Manual vote tracking and duplicate voting errors.
- Developed a C-based voting system using stacks for vote tracking, ensuring unique candidate symbols and secure voter verification to prevent duplicate votes.
- Automated vote counting, improved accuracy, and transparency, resolving issues of manual errors and duplication.
- Skills Used: C, Data Structures (Stack), Arrays, Structs, Logic Implementation, Voter Authentication.

Customer Sales Data Analysis
- The school had no efficient way to analyze admission trends for 1500 students, limiting data-driven decisions for improving the admissions process.
- Designed and implemented a Python-based solution using Pandas to analyze admission data, generating interactive dashboards to visualize trends and highlight areas needing focus for improvement.
- Provided actionable insights for optimizing the admissions process and identified specific areas for strategic focus to improve student enrollment.
- Skills Used: Python, Pandas, Data Analysis, Data Visualization, Report Writing, Presentation, Dashboard Development.
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CERTIFICATES

IBM Data Analyst Professional Certificate – IBM
  (ongoing)

The Complete Python Bootcamp: From Zero to Hero – Pierian Training

ChatGPT Prompt Engineering for Developers - DeepLearning.AI

EXTRACURRICULARS

Synapse AI Club Member   09.2024 – present
Synapse AI, MITWPU   Pune
- Lead workshops to educate peers on AI concepts (machine learning, NLP) and data analysis.
- Simplify complex AI topics for over 100 participants through interactive sessions.
- Developing an NLP project to analyze customer reviews and extract actionable insights.