Vakiti Nishivardhan Reddy

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Portfolio: nishivardhanreddy.github.io/Nishivardhan/

PROJECTS

- **Player Performance Dashboard** *(Python, Pandas, Matplotlib, Plotly, EDA)*   *Sep - Oct 2024*
  Developed an interactive dashboard to analyze and visualize cricket player performance metrics.
  – Conducted Exploratory Data Analysis (EDA) to identify trends in runs, strike rates, and batting averages.
  – Utilized line charts, bar graphs, and scatter plots for year-wise tracking and player comparisons.
  – Implemented data cleaning techniques to handle missing values, outliers, and inconsistencies.

- **Healthcare Diagnosis Assistant** *(Python, Streamlit, Machine Learning, Docker, Azure)*   *Apr - May 2024*
  Built a machine learning-powered web application for early disease detection.
  – Developed a Multinomial Naive Bayes model to predict diseases based on user-input symptoms.
  – Designed an interactive Streamlit UI to provide quick and reliable health predictions.
  – Focused on early detection, misdiagnosis reduction, and preventive healthcare measures.
  – Deployed using Docker & CI/CD on Azure for scalability.

- **TeachersPortal (Java, DSA, MySQL, Swing)**   *May - Apr 2023*
  Developed a Java-based academic portal to manage student and course data efficiently.
  – Implemented CRUD operations for student records, course details, and grade tracking.
  – Optimized performance using Data Structures & Algorithms (DSA) for searching and sorting.
  – Integrated MySQL for persistent data storage and improved record management.
  – Designed an interactive Swing UI to replace the command-line interface.

CERTIFICATIONS

- ”Complete Machine Learning & Data Science” (Geeks for Geeks)   *June 2024*
- “The Complete Web Developer Course 2.0” (Infosys Springboard)   *Feb 2023*

SKILLS

- **Programming Languages:** Python, SQL, Java, HTML, CSS
- **Data Science Tools:** NumPy, Pandas, Matplotlib, Seaborn, Plotly, Data Analysis with Python
- **Development Tools:** Git, GitHub Actions, Docker, Azure, Streamlit, Selenium.
- **Non-Technical Skills:** Time Management, Problem-Solving, Team Collaboration, Adaptability

ACHIEVEMENTS

- Hackathon: India Tour of Open Source Punjab Edition (Microsoft Learn Student Ambassador)   *Nov 2022*
- Actively participated in blockchain testnets, identifying bugs, validating transactions, and ensuring network stability before mainnet launches.   *2024 - Present*

EDUCATION

- **Lovely Professional University, Phagwara, Punjab.**   *2022 - Present*
  Bachelor of Technology - Computer Science and Engineering (Data Science with ML)   *CGPA: 6.71*
  Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Computer Networks, Operating Systems, Computer Organization and Architecture, Database Management Systems.
- **Narayana Junior College, Hyderabad, Telangana.**   *2020 -2022*
  XII   *Percentage: 83.7*