Shahnaz H

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PROFILE

B Tech student specializing in Artificial Intelligence and Data Science. Proficient in Python with a foundation in Machine Learning. Passionate about leveraging data-driven approaches to solve complex problems and create innovative solutions. Eager to apply academic knowledge and technical skills in a professional setting to contribute to impactful AI and data science projects.

SKILLS

- Python
- Machine Learning
- SQL
- Power BI
- MS office

COURSES

Supervised Machine Learning: Regression and Classification
DeepLearning.AI, Stanford University

Power BI Beginner to Pro Workshop
Pragmatic Works

Work smarter with Microsoft Excel
Microsoft

Advanced learning Algorithms (ongoing)
DeepLearning.AI, Stanford University

EDUCATION

Pursuing B.Tech in Artificial Intelligence and Data Science with a CGPA of 9.26.
Completed SSLC with 95.2% and HSC with 92.6%.

PROFESSIONAL EXPERIENCE

Data Analyst Intern at ZM Shippings
• Analyzed shipping data along with the team to identify trends and generate actionable insights.
• Prepared reports and presentations for management.
• Gained experience in data cleaning, visualization, and statistical analysis.

PROJECTS

Fetal Heart Rate and Uterine Contractions Data Analysis for Maternal Health Insights
• Analyzed Fetal Heart Rate (FHR) and Uterine Contractions (UC) data using Python, creating time-series visualizations.
• Conducted FHR analysis by calculating average bpm and pulse intervals in time epochs.
• Detected and analyzed UC peaks to provide insights into contraction patterns for maternal health monitoring.

Heart Disease Detection
• Developed a Random Forest classifier to predict heart disease with high accuracy.
• Built a user-friendly UI using Gradio for real-time predictions.
• Conducted data preprocessing, feature selection, and model tuning to optimize performance.

LANGUAGES

English | Tamil