Saarthak Jadhav

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EDUCATION

University of Wollongong   Dubai, United Arab Emirates
Bachelor of Computer Science, Major in Big Data & AI   *Sep. 2024 – June 2027*

GEMS Our Own Indian School   Dubai, United Arab Emirates
XII Subjects: Informatics, Psychology, Accounting | 95.8%   *April 2015 – April 2024*

EXPERIENCE

Student Assistant – Database Management   April 2024
GEMS Our Own Indian School   *Dubai, United Arab Emirates*
- Organized student data in databases, ensuring accuracy and easy access.
- Used Excel to filter and organize data, accommodating further changes.
- Collaborated with instructors to improve and streamline database management processes.

Program Assistant – Special Needs Support & Administration   Aug 2022 – Sept 2022
Tender Hearts Arena   *Dubai, United Arab Emirates*
- Supported special needs children in daily activities, ensuring a safe and inclusive environment.
- Managed scheduling, data entry, and documentation to streamline program operations.
- Collaborated with staff to design and implement individualized activity plans.
- Adapted quickly to challenges, providing effective solutions in dynamic environments.
- Improved communication with children, parents, and team members.
- Handled sensitive information and efficiently coordinated multiple tasks.

PROJECTS

Sentiment Analysis for Mood Tracking | *Python*   Jan. 2025
- Developed a sentiment analysis model using NLP techniques to track moods based on daily journal entries.
- Applied time series analysis to identify emotional trends over weeks, detecting patterns such as emotional cycles and fluctuations.
- Visualized emotional data using graphs and charts, helping users understand mood changes and track their emotional well-being over time.
- Generated tailored responses based on mood analysis, offering support for sad emotions and encouragement for happy moods.

Diabetes Prediction Model | *Python*   Dec. 2024
- Developed a machine learning model to predict diabetes risk using health data.
- Applied data preprocessing and feature selection to enhance model accuracy.
- Utilized Python libraries such as `Pandas`, `NumPy`, and `Scikit-learn` for data analysis and model development.
- Developed problem-solving skills in model evaluation through cross-validation and hyperparameter tuning to achieve 80% accuracy.

TECHNICAL SKILLS

Languages: Python, SQL, MATLAB, JavaScript, HTML/CSS
Frameworks & Tools : Scikit-Learn, Draw.io
Libraries: pandas, NumPy, Matplotlib, OpenCV, NLTK