Saarthak Jadhav

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EDUCATION

University of Wollongong — Dubai, United Arab Emirates
Bachelor of Computer Science, Major in Big Data & AI | High Distinction — *Sep. 2024 – Jun. 2027*

GEMS Our Own Indian School — Dubai, United Arab Emirates
CBSE Class XII: Informatics, Accounting, Psychology, Business | 95.8% — *Apr. 2023 – Apr. 2024*

Certifications
Intermediate Data Engineering from AWS x DeepLearning.AI — *Aug. 2025*

PROJECTS

Weather Data ETL Pipeline | 🎧 — Aug. 2025
- Built an automated ETL pipeline extracting weather data from public APIs, transforming with Python, and storing in PostgreSQL.
- Orchestrated daily workflows using Apache Airflow, ensuring reliable and timely data ingestion.
- Containerized the stack with Docker and integrated Metabase dashboards for interactive visualizations of weather trends.

Internly | 🎧 — June 2025
- Led a 4-member team to develop a full-stack internship portal connecting students and companies.
- Implemented backend with Node.js and MySQL for authentication, user sessions, and dynamic internship listings.
- Designed responsive dashboards in HTML, CSS, and JavaScript enabling seamless student applications and company management.

Simvestify – Stock Simulation App | 🎧 — Apr. 2025
- Built an interactive stock simulation app using real-time market data via the `yFinance` API.
- Integrated user authentication and portfolio management with SQLite for secure, persistent data.
- Visualized stock trends and portfolio performance to enhance user understanding of market behavior.

Sentiment Analysis for Mood Tracking | 🎧 — Jan. 2025
- Built an NLP-based sentiment analysis model to classify moods from daily journal entries.
- Performed time series analysis to detect emotional trends and cycles over weeks.
- Created visualizations and generated tailored feedback, supporting users in tracking emotional well-being.

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*
- Managed scheduling, data entry, and documentation to streamline program operations.
- Supported special needs children in daily activities, ensuring a safe and inclusive environment.
- Collaborated with staff to design and implement individualized activity plans.
- Adapted quickly to challenges, providing effective solutions in dynamic environments.

SKILLS

Languages: C++, Python (pandas, NumPy, Matplotlib, OpenCV, NLTK), SQL, JavaScript, HTML/CSS, MATLAB
Tools & Frameworks: Node.js, Streamlit, Docker, Apache Airflow, Apache Superset, Metabase, Git, PostgreSQL
Relevant Coursework: Advanced Programming, Object-Oriented Programming, Data Structures & Algorithms, Database Management, Mathematics for Computing