

# Saarthak Jadhav

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## EDUCATION

### University of Wollongong

*Bachelor of Computer Science, Majoring in Big Data & AI | High Distinction*

Dubai, United Arab Emirates

*Sep. 2024 – June 2027*

### GEMS Our Own Indian School

*CBSE XII Subjects: Informatics, Accounting, Psychology, Business | 95.8%*

Dubai, United Arab Emirates

*April 2015 – April 2024*

## PROJECTS

### Internly |

June 2025

- Led a team of 4 to build a full-stack internship portal connecting students with companies, featuring registration, login, and application workflows.
- Implemented backend using Node.js and MySQL, handling form data, user sessions, and dynamic internship listings via JSON.
- Designed responsive frontend pages with HTML, CSS, and JavaScript, allowing students to search, filter, and apply for internships.
- Enabled companies to post and manage internships, and view applicant information through a custom dashboard interface.

### Simvestify - Stock Simulation app |

April 2025

- Developed an interactive stock simulation app allowing users to practice trading with real-time market data using the **yFinance** API.
- Integrated user authentication and portfolio management with SQLite, enabling persistent session handling and data integrity.
- Visualized dynamic stock trends and user portfolio performance, enhancing user engagement and understanding of market behavior.

### Sentiment Analysis for Mood Tracking |

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, 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.

## 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

**Certifications:** DeepLearning.AI Data Engineering (AWS)

**Languages:** C++, Python (pandas, NumPy, Matplotlib, OpenCV, NLTK), MySQL, HTML/CSS, NodeJS, JavaScript (learning), Streamlit, MATLAB (learning)

**Relevant Coursework:** Advanced Programming, Object Oriented Programming, Data Structures and Algorithms, Database Management