

## Jay Ryan Andrade

jayryan267@gmail.com | +971504542261  
linkedin.com/in/jay-andrade-9211571bb



### Summary

Full-Stack Developer with a strong foundation in web development and a keen interest in data science and analytics. Proficient in building scalable applications using modern frontend and backend technologies, with experience in database management and API development. Passionate about leveraging data-driven insights to optimize application performance and user experience. Continuously learning and adapting to new technologies to enhance software efficiency and business decision-making.

### Skills

**Frontend:** Vue.js, Next.js

**Backend:** Node.js, Express.js, Python (Django)

**Databases:** MySQL, MongoDB

**Programming:** Python, JavaScript

**DevOps & Tools:** DigitalOcean, Docker, GitHub

**Data & Analytics:** Data Analytics, SQL

### Work Experience

#### Full-Stack Developer

*Cruise Motors FZCO | Dubai, UAE | 12/2024 – 03/2025*

- Contributed to the development of the company's website *cruisemotors.co* using Next.js and Laravel using Cursor to speed up the process.
- Implemented and optimized API calls using Redux for efficient state management.
- Debugged and resolved post-deployment issues to ensure smooth user experience and performance.

#### Full-Stack Developer Intern

*Potential AI | Dubai, UAE | 06/2024 – 06/2024*

- Designed and developed a portfolio website using modern web technologies.
- Created an AI-powered chatbot, defining its workflow and conversation logic.
- Integrated the chatbot seamlessly into the website, improving user interaction and engagement.

#### Data Science & Analytics Instructor

*Zabeel International Institute | Dubai, UAE | 08/2023 – 08/2024*

- Conducted training on data science and analytics using Python, Jupyter Notebooks, and Power BI.
- Taught Advanced Excel topics including Macros, VBA scripting, and Power Pivot.
- Helped learners build dashboards, automate tasks, and draw insights from real-world datasets.
- Customized content based on learner needs, focusing on hands-on exercises and practical application.

#### Technical Analyst Intern

*Healy Consultants | Dubai, UAE | 04/2023 – 07/2023*

- Automated data processing tasks in MS Excel, reducing manual effort and improving efficiency.
- Developed Python-based software applications to streamline internal business operations.
- Designed and tested MS PowerApps solutions for integration with MS Teams, enhancing productivity.

#### Full-Stack Developer Intern

*Middlesex University | Dubai, UAE | 11/2022 – 05/2023*

- Built a full-stack web application using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Followed an Agile-Waterfall Hybrid development approach for structured project execution.
- Conducted thorough testing and debugging to ensure functionality and performance.

#### Software Engineer Intern

*IO21 | Dubai, UAE | 01/2022 – 03/2022*

- Developed and implemented new features for *attic.ae* using Python Django.
- Optimized database queries and backend logic to improve site performance.
- Identified and resolved bugs, ensuring a seamless user experience.

#### Student Learning Assistant (SLA)

*Middlesex University | Dubai, UAE | 10/2021 – 05/2022*

- Provided in-class support to students learning Python programming and Arduino development.
- Assisted in debugging and troubleshooting code, helping students understand core programming concepts.
- Facilitated hands-on sessions to improve student engagement and learning outcomes.

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## Education

### BSc Honours in Information Technology

Middlesex University | 09/2020 – 05/2023

- GPA: **4.0**
  - Graduated with First Class Honours.
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## Projects

AstroBaristas MERN Stack Website (11/2022 – 01/2023)  
Game Website (10/2021 – 12/2021)  
Pac-Man with PyGame(03/2021 – 04/2021)  
JavaFX Movie Library (04/2021 – 04/2021)  
CARduino - Arduino Smart Car (12/2020 – 02/2021)  
Fix Barrier (08/2022 – 10/2022)

## Certificates

Coding and Computer Science Bootcamp (10/2022 – 01/2023)  
Java Programming (08/2021 – 09/2021)  
Database Foundations (07/2021 – 08/2021)  
Java Foundations (07/2021 – 08/2021)  
Database Design (06/2021 – 07/2021)  
Java Fundamentals (06/2021 – 07/2021)  
Cybersecurity Essentials (04/2021 – 05/2021)  
Introduction to Cybersecurity (04/2021 – 04/2021)

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## Languages

- **English:** Full Professional Proficiency
- **Hindi:** Professional Working Proficiency