

Younna Elshimy

Aspiring Data Analyst / Software Engineer

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CAREER OBJECTIVE

Recent Computer Science (Honours) graduate with strong interests in data analytics and software engineering. Experienced in Python, R, Java, C++, web technologies, SQL/NoSQL, machine learning, data visualization, and technical support through hands-on projects. Currently working on personal projects while completing Google's Data Analytics Professional Certificate and preparing for the CompTIA Data+ certification. I am also starting a freelancing career to apply my skills on real-world projects while actively seeking an entry-level role to grow further.

SKILLS

- **Data Analysis, Modeling & Management:** Data Mining, Data Manipulation, Data Preprocessing, Exploratory Data Analysis (EDA), Relational Databases (MySQL, Oracle SQL), Google BigQuery, Non-Relational Databases (MongoDB), ELT processes
- **Data Visualization Tools:** Looker, Microsoft Excel
- **Programming Languages & Web Technologies:** Python, R, Java, C++, JavaScript, HTML, CSS
- **Machine Learning & AI:** Supervised Learning (Decision Trees, Random Forests, Linear Regression, Logistic Regression, Support Vector Machine (SVM)), Unsupervised Learning (K-Means), Image Processing, Text Processing
- **Software Development:** Object-Oriented Programming (OOP), Microservices Architecture, Domain-Driven Design (DDD), RESTful API Development, Event-Driven Stream Processing, Version Control (Git, GitHub), Software Testing & Debugging, Agile Methodologies
- **Software & Tools:** RapidMiner, Apache Kafka, IDEs (RStudio, Google Colab, VS Code), Jira, Trello, Gantt Charts
- **Soft Skills:** Problem-solving, Critical Thinking, Analytical Thinking, Attention to Details, Communication, Teamwork, Fast Learner, Goal-Oriented, Time Management, Project Management, Driven, Resilience, Leadership

PROJECTS *(more projects available upon request or on portfolio website)*

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| Assessing Generalisation Gaps in Image Classification | Sep 2024 – Oct 2024 |
| <ul style="list-style-type: none">• Managed a 3-member team, coordinating tasks, timelines, and meetings.• Investigated generalization gaps between ImageNet and ImageNetV2 using CNN models in Python.• Tuned hyperparameters to improve model performance, achieving 0.89 (ImageNet) and 0.81 (ImageNetV2) accuracy/F1.• Created performance visualizations and documented analysis in a detailed report. | |
| Business Flow Microservices System | Aug 2023 – Sep 2023 |
| <ul style="list-style-type: none">• Led a 3-member team, managing roles, deadlines, and weekly progress meetings.• Built and integrated microservices (Sales, Procurement, Customer Account, Analytics).• Applied DDD and Kafka-based Event-Driven Architecture for service communication.• Delivered a 4-microservice e-commerce system with full documentation and stream processing. | |

CERTIFICATIONS *(Full list available upon request or on LinkedIn & portfolio)*

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| ▪ Google Data Analytics Professional Certificate Google | Mar 2025 - Present |
| ▪ Applied Deep Learning MaharaTech | Jun 2025 |
| ▪ AWS Academy Cloud Foundation | Sep 2023 |

EDUCATION

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| Professional Year in IT QIBA, Australia | Mar 2025 - Present |
| Honours in Computer Science University of Wollongong, Australia <i>Achievements – Distinction WAM</i> | Feb 2024 – Nov 2024 |
| Bachelor of Computer Science (Software Engineering) University of Wollongong, Australia <i>Achievements – Distinction WAM, Undergraduate Excellence Award, Collaboration, Communication Learning Stream Award, & Leadership Learning Stream Award, UOWx Award</i> | Mar 2021 – Nov 2023 |

EMPLOYMENT HISTORY

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| Exam Invigilator, Scribe, and Reader University of Wollongong, Australia | Apr 2024 – Nov 2024 |
| <ul style="list-style-type: none">Ensuring exam conditions were followed and prohibited materials were removed.Acting as a scribe and/or reader, transcribing answers and reading questions aloud as needed.Supervising the student to prevent academic misconduct.Recording key exam details, including timing, incidents, and observations. | |
| Student Accessibility Peer University of Wollongong, Australia | Feb 2024 – Nov 2024 |
| <ul style="list-style-type: none">Providing organised, reliable support to students with disabilities to enhance their university experience.Assisting students with moderate access needs in labs and ICT tasks, offering guidance and organizational strategies.Tutoring students during lab sessions, including reading materials and transcribing responses when needed.Reporting any critical incidents to supervisors. | |
| Student Brand Ambassador Campus Group, Australia | Feb 2024 – Oct 2024 |
| <ul style="list-style-type: none">Promoted client businesses on university campuses through creative and engaging marketing campaigns.Engaged students to exceed daily sign-up targets (e.g., secured 20+ sign-ups/day in a DoorDash campaign with a 10-sign-up goal). | |
| Student Accessibility Assist University of Wollongong, Australia | Jul 2023 – Nov 2024 |
| <ul style="list-style-type: none">Edited and formatted transcripts generated by speech recognition software to ensure clarity and accessibility.Delivered accurate transcripts within 2 days of video upload to support inclusive education. | |
| Customer Solutions Specialist ProbeCX , Australia | Mar 2023 – Apr 2023 |
| <ul style="list-style-type: none">Responded to inbound voter enquiries during the NSW State Election within set timeframes.Assessed individual voter circumstances and delivered guidance aligned with electoral policies. | |

VOLUNTEERING

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| EIS Mentor University of Wollongong, Australia | Jul 2024 – Nov 2024 |
| <ul style="list-style-type: none">Guided EIS students through university systems and resources.Organized workshops on Python, web development, machine learning, and cryptography.Achievements: Awarded certificate of recognition for mentoring. | |
| UoM Science Digital Industry Project Mentor University of Melbourne, Australia | Jun 2024 – Jul 2024 |
| <ul style="list-style-type: none">Mentored student teams on real-world industry projects through weekly meetings.Provided feedback on reports and presentations, fostering motivation and engagement.Achievements: Awarded certificate of recognition for mentoring. | |
| Technology Assistant Volunteer Illawarra Multicultural Services, Australia | Mar 2024 – Jun 2024 |
| <ul style="list-style-type: none">Assisted multicultural community members with device troubleshooting and account setup.Delivered digital literacy sessions tailored by age group on topics like online safety and AI. | |
| Pulse Volunteer & Pantry Leader UOW Pulse, Australia | Jul 2022 – Nov 2024 |
| <ul style="list-style-type: none">Managed volunteer teams and pantry operations supporting student wellbeing.Maintained inventory, recorded visits, and ensured smooth event setups.Achievements: Recognized as Volunteer of the Month (Feb 2024) and received Innovation & Community Award for improving pantry systems, efficiency and service delivery. | |
| Cisco MentorMe Program Mentee Cisco , Australia | Aug 2022 – Sep 2022 |
| <ul style="list-style-type: none">Participated in job shadowing with industry professionals in software engineering and marketing. | |
| Study Australia Industry Experience Program Participant Practera, Australia | Nov 2021 – Jan 2022 |
| <ul style="list-style-type: none">Collaborated with a diverse team to develop business solutions for a not-for-profit client (Murrison the Move).Conducted research, contributed to strategy, and presented recommendations.Achievements: Earned “Deal Book Program Completer” badge. | |

REFEREES

Available upon request