

Ayman Shams

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EDUCATION

Australian National University, 2022-2026

- Bachelor of Information Technology (Major in Software Development)

ICT10115 – Certificate I In Information, Digital Media Technology, 2019

- Achieved proficiency in operating a personal computer, MS Office applications; effectively communicated and searched securely on the internet; used multiple digital devices efficiently.

WORK EXPERIENCE

Penten

Full Stack Software Engineer Intern in Applied AI Team

July 2024 – December 2024

- Developed front-end features using TypeScript, Angular, and Python to implement application logic and seamlessly integrate with back-end systems, and ensure performance using the testing framework Pytest, successfully completing key features and enhancing user experience. Collaborated closely with UI/UX designers to create responsive and accessible user interfaces.
- Optimized back-end development using C#, employing dictionaries to efficiently sort large data sets, increasing processing speed by **30%**.
- Utilized MongoDB Compass for database management and optimized query performance, reducing response times by **15%**.
- Familiarized with the System.Net library to disable SSL certificate verification securely when required, improving system reliability. Actively contributed to the CI/CD pipeline and maintained version control using Git.

Accenture (Tech Bootcamp Winner)

Full Stack Software Developer

June 2024

- Engineered "Panorama," an AI-driven web platform leveraging React.js and AWS Amplify to counteract biased viewpoints. Utilized front-end features such as JavaScript, React.js, HTML/CSS, and Bootstrap, based on Figma designs. Successfully deployed the interactive platform on AWS Amplify.
- Enhanced functionality using Python and integrated OpenAI and Google Search APIs, increasing data retrieval accuracy by **20%**. Established a RESTful API connection between the front and back ends. Integrated AWS Lambda to optimize API response times by **10%**, enhancing system scalability.

Australian Public Service, University Vocational Employment Program

Policy Officer of Strategy Team in Office of North Australia

November 2022 – February 2023

- Managed datasets and automated reports using Excel, creating 10+ dynamic spreadsheets for informed policy decisions. Designed and delivered 5+ PowerPoint presentations to senior management and departmental teams.

PROJECTS

ANU Formula Sports Society

Information Technology Operations

May 2024 – January 2025

- Maintaining the society's website using Angular and developed an internal tool to streamline access to CAD files for members by converting these files into OBJ format using Blender and integrating the Three.js library to render interactive 3D models on the website.

Android App Developer for Ekta

Marketing Team

October 2023 – January 2024

- Led a team to develop an Android app using Java in Android Studio, for Ekta event schedules and ticketing. Collaborated to design a user-centric UI/UX, accommodating the specific needs of university students. Ensured responsiveness across a wide range of Android devices.

Website Development for Ekta

Marketing Team

December 2023 – November 2024

- Designed and developed a fully responsive website using React.js based on Figma prototypes, improving user retention time. Maximized user accessibility and ensuring a seamless cross-platform experience.

TECHNICAL SKILLS

Skills: Microsoft Office | Python, Java, JavaScript, C#, TypeScript, HTML/CSS, Haskell, React.js, Angular, Three.js, Git, GitHub/GitLab, AWS, IntelliJ, VS Code, Figma, Android Studio | Problem Solving | Communication