

# Mohammad Asraf Ali

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## SUMMARY

Software Application Development graduate with proven expertise in AI/ML technologies, cloud computing, and full-stack development. Published researcher in IEEE Xplore with hands-on experience in enterprise IT operations. Demonstrated leadership through multiple hackathon victories and academic excellence. Proficient in Java, Python, JavaScript, React, and Flutter with specialized knowledge in Large Language Models, IoT systems, and privacy-focused applications. Azure AZ-900 certified with AWS Machine Learning foundations training.

## EDUCATION

### Bachelor of Science in Software Application Development

2020 - 2025

GPA: 3.21 / 4.0

University of Technology and Applied Sciences – Ibri

### High School Diploma

2018 - 2020

Mazin Bin Ghadhoub School, Samail, Oman

## PROFESSIONAL EXPERIENCE

### Cloud Fundamentals Trainee

June 2025

Smartovate | Subul Program – Remote

- Successfully completed a specialized training program focused on Microsoft Azure Fundamentals (AZ-900).
- Gained foundational knowledge of cloud concepts, Azure services, security, pricing, and support.
- Demonstrated high levels of commitment, active participation and strong performance throughout the program.

## INTERNSHIP TRAINEE

### Omantel Headquarters IT Operations - Muscat

July 2024 - August 2024

- Gained hands-on experience in enterprise-level IT operations and infrastructure management
- Collaborated with cross-functional professional teams on technology system implementations
- Worked with industry-standard technology systems and learned best practices in telecommunications IT

## CERTIFICATIONS

- AWS Educate – Machine Learning Foundations | Amazon Web Services Training (August 2025)
- Introducing Generative AI with AWS | Udacity (August 2025)
- Academic Excellence Award in Information Technology | UTAS - Ibri ( May 2023)
- Workshops & Short Courses Certificates

## PROJECTS & RESEARCH

### Privacy-First Home Assistant Powered by LLM | Final Year Project (2025)

- Developed LLM-based smart home assistant with privacy-first architecture and local data processing
- Integrated natural language processing for voice commands and automated home control systems

### Smart Home IoT Research | IEEE Xplore Publication (2024)

- Authored "A Study on the Development and Evaluation of Smart Home System using IoT and AI Technologies in Oman"
- Published peer-reviewed research analyzing smart home adoption and IoT/AI integration in Oman
- Conducted comprehensive technical evaluation of IoT and AI integration in residential automation

## **ACHIEVEMENTS**

- First Place – Graduation Projects Presentation Competition (2025)
- Second Place – Innovation Forum, Riyadh Organization, Al Dhahirah (2025)
- Third Place – Hackathon Himaya, Social Protection Fund (2025)
- Participant – Ibri, Omantel, MDO and Qimam Hackathons (2025)
- Smart Home Research Project – Presented findings at Shinas College (2024)
- Second Place – Technical Marathon, 7th Edition (2023)
- First Place – Poster Presentation Competition (2022)
- Second Place – English Debate Contest (2022)

## **SKILLS**

- Programming Languages: Java, Python, JavaScript, PHP
- Frontend Development: React, HTML, CSS, JavaScript
- Mobile Development: Flutter, Dart
- Database & Cloud: Firebase, SQL, Microsoft Azure
- AI/ML Technologies: Large Language Models (LLM), Machine Learning, Generative AI
- IoT & Hardware: Raspberry Pi, IoT Integration, Hardware Troubleshooting
- Hardware troubleshooting
- Project management
- System analysis

## **LANGUAGES**

- Arabic – Native
- English – Excellent
- Bengali: Basic conversational level