

# AMJAD AZWARD

Undergraduate in Software Engineering — Aspiring SE Intern

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## SUMMARY

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IT undergraduate and machine learning enthusiast with knowledge in software engineering, cloud computing, networking, and automation. Skilled in problem solving, designing systems, and collaborating on projects. Interested in contributing technical expertise and gaining hands-on IT experience. Actively pursuing workshops, events, and certifications for improving skills.

## PROFESSIONAL EXPERIENCE

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### Freelancer - SPARK

Mar 2025 – Present

*Partnered Projects as a Team of Two*

- Pioneered streamlined requirement gathering using process workflows and standardized documentation, cutting rework by **20%** and enabling project teams to release deliverables within the expected timeline.
- Developed custom web, mobile, & desktop applications using multiple technologies.

## EDUCATION

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### Higher National Diploma in Software Engineering

*NIBM (Coventry University BSc Year 02)*

Nov 2024 – Present

GPA: **3.81** — Expected 2025

### Diploma in Software Engineering

*NIBM, Sri Lanka*

2023 – 2024

GPA: **3.94** — Passed with Distinction

### Certificate in Software Engineering

*NIBM, Sri Lanka*

2023

### G.C.E Advanced Level (Math Stream)

*Royal College, Colombo 07*

2022

## PROJECTS

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### Business Management System (C#, SQL Server, Entity Framework — Diploma Final Project)

- Developed a desktop app to manage staff, clients, and inventory, improving efficiency by **30%**.
- Applied **modular architecture** and validation, reducing crashes by **25%**.
- Used Git and **Agile SDLC** for maintainable delivery.
- GitHub

### Complaint ChainLK – Centralized Public Complaint Platform (React.js, Node.js, Express.js, Firebase, Python)

- Built a full-stack complaint platform with **AI tagging**, real-time tracking, and geolocation-based routing.
- Integrated a custom **ML model (92% accuracy)**, cutting manual review by **60%**.
- Added dashboards, chatbot, and analytics, boosting resolution efficiency by **40%**.
- Tech Stack: React.js, Node.js, Firebase, Tailwind, Hugging Face, Rasa.
- GitHub — Prototype

### Spice World – E-commerce Website (HTML, CSS, Bootstrap, JS, PHP, Oracle DB)

- Created an e-commerce site with secure login, cart, and payment gateway, raising orders by **25%**.
- Optimized PHP/PLSQL queries and Bootstrap UI, improving load time by **20%**.
- Collaborated in a 2-member team with Git and **Agile sprints**.
- GitHub

### Medsynora Data Warehouse (SQL Server, Power BI, Apache Hop)

- Designed **ETL pipelines** and a star schema, cutting reporting time by **50%**.
- Built **Power BI dashboards** for hospital KPIs, improving decision speed by **35%**.

- Enforced **role-based access** for secure data handling.
- GitHub — LinkedIn

#### Tuition Hub – Mobile Application (Java, Android Studio, Firebase, SQLite)

- Built an Android app for student–teacher management, improving record accuracy by **40%**.
- Integrated **Firebase Auth** and offline sync, reducing inconsistencies by **30%**.
- Designed with **Material Design** for better usability.
- GitHub — LinkedIn

#### E-Channel Platform (Java Spring Boot, React.js, MySQL)

- Built a healthcare appointment system for **500+ users**, cutting scheduling errors by **35%**.
- Developed **10+ REST APIs** with JWT auth and role-based access.
- Implemented **layered architecture** for scalability.
- GitHub

#### Detectify – Real-Time Object Detection (Python, OpenCV, YOLOv5)

- Created a **real-time object detection system** for images and live video streams.
- Displayed bounding boxes and confidence scores with adjustable thresholds.
- Enabled **CPU/GPU inference** using deep learning models.
- GitHub — LinkedIn

## SKILLS

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- **Concepts:** OOP, SDLC, Design Patterns
- **Programming:** Java, C, C#, Python, JS, PHP, SQL, PL/SQL
- **Web / Backend:** HTML, CSS, React, Node.js, REST APIs, React Native
- **Cloud / Networking:** AWS, Cisco Packet Tracer
- **Databases / Tools:** MySQL, Oracle, SQLite, MongoDB, Firebase, Postman, Git, VS Code, IntelliJ, Android Studio
- **Other:** ETL , Project Management, ML basics, PowerBI, Figma, Apache Hop

## CERTIFICATIONS

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- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional — Oracle [Credential]
- Security for Software Development Managers (LFD125) — Linux Foundation [Credential]
- Complete Ethical Hacking Course 2025: Go From Zero to Hero — Udemy [Certificate]
- Learn Blockchain and Cryptocurrency from Beginning — Udemy [Certificate]
- Cisco Networking Academy - IT Essentials — Cisco [Credential]
- Network Mastery for Ethical Hackers — Udemy [Certificate]
- Getting Started with Azure Cloud — Udemy [Certificate]
- Machine Learning Exam Basics — AWS [Credential]

## VOLUNTEERING / MEMBERSHIP

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- IEEE Student Member - #101595884, Sri Lanka Section
- IEEE in NIBM - Web master
- Volunteer and Media Crew Member of ZeroPlastic Club at NIBM
- IEEE at NIBM; Team Lead of Digital Systems for IEEE Xtreme 19.0 organized by NIBM (NIBM CodeX 1.0)
- Student Ambassador - Lets Upgrade

## REFREES

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#### Ms. Pavithra Maheshwara

Title: Consultant / Lecturer  
 Organization: National Institute of Business Management  
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#### Sampath Jayakody

Qualifications: B.Sc.(Hons) MIS (UCD), MBA in MOT (UOM)  
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