# RAMA ALZAHRANI

## COMPUTER SCIENCE

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A Computer Science graduate specializing in AI, cybersecurity, and full-stack development. Skilled in building secure, user-focused web and mobile applications, with hands-on experience in machine learning and data-driven solutions. Eager to apply technical expertise and problem-solving skills to drive innovation and support organizational growth.

## TECHNICAL SKILLS

- **Programming Languages**: PHP, JavaScript, HTML, CSS, SQL, Python, Java, C++, Swift, Lisp, Prolog.
- **Frameworks & Tools**: MySQL, AJAX, Bootstrap, GitHub, FastAP, Firebase, tryhackme, John the Ripper, Autopsy.
- **Specialized Areas:** Web Development, Data Security, AI Concepts, Network Management, Database Design, Mobile App Development, Software Development.

## SOFT SKILLS

- Communication, Team Collaboration, Problem-Solving, Report Writing.

## EDUCATION

**Bachelor of Science in Computer Science**

Imam Abdulrahman Bin Faisal University –  Graduation: May 2025

## EXPERIENCE

**COOP Training – Al-Baha Municipality**                                    Jun 2024 - Agu 2024
- Connected local device domains to the ministry domain using Active Directory.
- Conducted periodic equipment maintenance and network management.
- Worked on Oracle database management and security procedures.

## ACADEMIC PROJECTS

- **AutismLens: Diagnosis of Autism Spectrum Disorder Based on Facial Images**
  Developed a web app for early autism detection using facial images, applying ConvNeXt and Grad-CAM for accurate and explainable AI. Delivered a fast, non-invasive diagnostic tool with focus on accessibility and user-friendly design

- **LearnSphere: Certified Tech Learning Platform**
  Developed a cross-platform app (Java for Android, Swift for iOS) offering guided, certified CS learning resources aligned with Saudi Vision 2030. Implemented user accounts, expert Q&A, and admin course management to enhance accessibility and engagement

- **Data Mining and Machine Learning Project – Liver Disease Prediction**
  Performed data preprocessing, statistical and correlation analysis, and visualization (Matplotlib, Seaborn). Developed and fine-tuned Decision Tree, Random Forest, and Logistic Regression models in Python.

- **Used security tools in Kali Linux (John - Autopsy)**
  Performed password cracking with John the Ripper and digital forensics analysis using Autopsy to simulate cybersecurity investigation scenarios.

- **Design a website for a Plant shopping system.**
- **Amusement Park Reservation System Using Java.**

## CERTIFICATIONS

**Ethical Hacking Hands-On Labs Certificate from TryHackMe**                     May 2025

## LANGUAGES

- Arabic : Native                                                          - English : Fluent