

# Ammar Umer

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## SUMMARY

Full-Stack Developer and Software Engineering graduate with a robust understanding of Object-Oriented Programming (OOP) and SOLID principles. Offers over 1 year of experience in building scalable web applications, with expertise in JavaScript/TypeScript, React, and RESTful API design, as well as practical knowledge of Agile methodologies and Git-based version control. Demonstrates effectiveness in collaborative, fast-paced environments and contributes to innovative solutions that enhance user experience and drive business success.

## SKILLS

- **Programming Languages:** Python, C, C++, Java, JavaScript, TypeScript, Laravel.
- **Web Development:** HTML, CSS, PHP, AJAX, JSON, React, REST APIs
- **AI and Machine Learning:** Deep learning, Machine learning techniques.
- **Data Analysis:** Pandas, TensorFlow.
- **Databases & SQL:** T-SQL, MySQL, MongoDB; strong competence in SQL (queries, optimization)
- **Problem Solving & Collaboration:** Excellent analytical approach, adept at troubleshooting and resolving defects, comfortable working in cross-functional teams
- **Project Management:** Agile methodology, Jira.
- **Additional Skills:** Microsoft Office proficiency, strong written and verbal communication.

## EXPERIENCE

**Employee Administrator & Assistant Software Developer (Abdullah Builders, Lahore, Pakistan)** July 2024 – August 2024

- Co-developed **CV analysis software** using advanced algorithms to automate candidate evaluation, reducing recruitment time by 30%.
- Conducted recruitment processes, including job postings, resume screening, and interviews, while managing employee records and onboarding.
- Addressed employee relations issues, improving HR workflow efficiency and employee satisfaction.

**Front of House Staff (Da Sandro Italian Restaurant)** Oct 2024 – Present

- Delivered exceptional customer service in a **high-end Italian dining environment**, working under Italian management to maintain authentic hospitality standards and ensure a seamless dining experience
- Adapted to a **fast-paced, customer-centric workplace**, enhancing skills in communication, cultural adaptability, and teamwork while managing drink orders and anticipating customer needs.

**Shopify Experience** April 2022-Dec 2022

- Designed and managed **e-commerce stores** on Shopify, customizing themes, optimizing product listings, and integrating payment gateways to enhance user experience and drive sales.
- Utilized Shopify's analytics tools to track performance metrics, identify trends, and implement data-driven strategies for improving conversion rates.

# EDUCATION

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**BSc (Hons) Software Engineering (1:1)**

University of Huddersfield • 2025

## Relevant Modules:

- **Advanced Web Development:** Gained hands-on experience developing front-end and back-end applications using PHP, Laravel, and RESTful APIs.
- **Data-Driven Artificial Intelligence:** Applied machine learning techniques, including deep learning, to real-world data challenges, gaining proficiency in using industry-standard tools for AI-driven applications.
- **Large-Scale Software Development:** Learned to design and scale complex systems using Agile methodologies.
- **Database Systems:** Developed and optimized relational and NoSQL databases to ensure scalability and performance.

## O/A-Levels

Lahore Grammar School • 2020-2022

- **A-Levels (2022):** Mathematics, Physics, Chemistry
- **O-Levels (2020):** Achieved 7A's and A\* in Computer Science, Mathematics, and Sciences

# PROJECTS

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## Music Playlist App (Laravel, PHP, MySQL)

- Developed a web-based platform allowing users to add, delete, and favourite songs, while dynamically tracking genre preferences and exploring new releases.
- Implemented a user-friendly interface with seamless navigation, ensuring an engaging and interactive experience for music enthusiasts.

## AI powered Handwashing Classification System | Python , TensorFlow

- Built a machine learning model to classify and validate images of handwashing steps from WHO datasets, filtering irrelevant or false data for improved accuracy.
- Achieved 70% accuracy in classifying handwashing steps, leveraging TensorFlow and OpenCV for image preprocessing and model optimization.

## Enigma Machine

- Simulated the historical Enigma machine used in WWII, developing a cryptographic tool for text encoding and decoding.
- Incorporated modular design principles to ensure the tool's scalability and ease of use for educational purposes.

## Responsive Web Application (HTML, CSS, JavaScript)

- Developed an interactive web page featuring three mini-games (Pong, Tetris, Tic-Tac-Toe), designed with responsive layouts for seamless user experience across devices.
- Implemented 2-factor authentication (2FA) to enhance security, ensuring secure user access and data protection.

# HOBBIES

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- **Events Coordinator:** Organized Huddersfield University's largest Qawwali Night (2023), demonstrating leadership and event management.
- **Debating & Public Speaking:** Led teams (LGS) and competed nationally (LUMS/NUST), refining communication and analytical skills.
- **Sports Captaincy:** Headed cricket, basketball, and table tennis teams (UOH), fostering teamwork and discipline; **Regional** Table Tennis Champion (multiple wins).
- **Fitness & Strategy:** Gym enthusiast and chess player, committed to physical health and strategic problem-solving.
- **Cultural Exploration:** Passionate traveler, enhancing adaptability through immersion in diverse global cultures.

# REFERENCES

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Available upon request.