

# HARIS MOIN

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## PROFESSIONAL SUMMARY

Web Developer with over 1.5 years of experience in delivering and optimising production-grade web platforms. MSc graduate in Advanced Computer Science from the University of Liverpool. Experienced in modern web stacks and platform development technologies, including Next.js, React, Django, WordPress, Shopify, and API-driven architectures, with a strong focus on end-to-end ownership and measurable business impact.

## EXPERIENCE

**Digital Solutions Engineer** | Akamedics Ltd, Leicester, United Kingdom | March 2025 - Present

- Restructured and maintained a modern, responsive WordPress portfolio website, developing and integrating custom block-based React components to extend site functionality.
- Implemented SEO best practices, analytics tracking, and Google Ads optimisation, driving 3× growth in active users and 10× growth in lead conversions.
- Automated WhatsApp and email marketing using custom chatbots and workflow automation, improving efficiency by 2× and reducing manual task time, integrating third-party APIs (ClickUp, HubSpot, WhatsApp API) to streamline lead handling, analytics, and internal operations.
- Directly contributed to lead generation, organic brand visibility, and course sales growth of 2×–3× by transforming the website into a more engaging, conversion-driven platform.

**Competitive Programming Intern** | Computer Science Society (CSS), AMU, India | March 2023 - May 2023

- Developed strong problem-solving skills through rigorous practice and challenges during the internship.
- Gained hands-on experience in competitive programming techniques, algorithms, and problem-solving methodologies. Enhanced teamwork and collaboration by working with other interns on coding challenges and projects.

**Back-end Web Development Intern** | Computer Science Society (CSS), AMU, India | May 2021 - June 2021

- Developed various websites, including an e-commerce platform and a blog using the Django framework.
- Implemented and tested backend functionalities, followed by deploying applications to live environments.
- Learned about version control using Git and GitHub.

## PROJECTS

**Akamedics Digital Platform Redesign** | Akamedics Ltd, Leicester, United Kingdom | June 2025 - August 2025

- Re-engineered and maintained a WordPress-based e-learning platform, enabling continuous content updates and performance optimisation through Elementor and custom React block components.
- Optimised SEO, analytics, and caching plugins to enhance site performance, search visibility, and user experience.
- Implemented Google Analytics to track user behaviour and engagement, informing data-driven improvements tied to traffic and conversion growth.

**Simple Polygon Triangulation** | MSc Final Project, University of Liverpool, United Kingdom | June 2024 - October 2024

- Developed a web application for simple polygon triangulation, allowing users to input polygons via drawing or coordinate input.
- Implemented custom algorithms for vertex classification (sweep line algorithm) and polygon regularisation.
- Used a Doubly Connected Edge List (DCEL) for efficient handling of polygon edges and faces during triangulation.
- Integrated an interactive frontend using D3.js for real-time visualization.

**Solving Travelling Salesman problem using Parallel and Distributed programming through OpenMP and MPI** | Multi-core and multi-processor programming module's assignment, University of Liverpool, United Kingdom | October 2023 - January 2024

- Developed three distinct methods for TSP.
- Implemented methods on datasets of 9, 16, and 512 points to assess scalability.
- Utilized distributed programming for efficient execution across multiple nodes.
- Deployed workloads to the Barkla server (the university's high-performance computing cluster) for parallel execution.

**Impacts of IoT on Human-Machine Interaction: A focus on Privacy and Security (Literature Review)** | Research Methods in Computer Science module's assignment, University of Liverpool, United Kingdom | September 2023 - December 2023

- Investigated IoT integration's impact on privacy and security across sectors, unveiling intricate concerns.
- Provided insights into human-machine interaction influenced by IoT across diverse industries.
- Identified gaps in current IoT infrastructure and proposed future research directions.
- Explored the potential benefits of blockchain-based IoT infrastructure for enhanced data security and management.

**Algorithm Visualiser (Web application)** | Dissertation Project, AMU, India | August 2022 - May 2023

- Developed a web-based educational platform for algorithm visualisation as part of the Bachelor of Science dissertation.
- Integrated an IDE—the main feature of the project—allowing users to code and visualise algorithms in multiple programming languages.
- Technologies used: Django framework for website, Bottle framework for IDE, Python, SQLite3, HTML, CSS, JavaScript, Bootstrap.

## **EDUCATION**

### **University of Liverpool**

Sept 2023 - Nov 2024

Master of Science in Advanced Computer Science

Modules of interest: Cloud Computing for E-commerce

Project: Simple Polygon Triangulation

### **Aligarh Muslim University**

Jan 2021 - May 2023

Bachelor of Science in Computer Applications

Modules of interest: Web Engineering

Project: Algorithm Visualiser (Web application)

## **TECHNICAL SKILLS**

Next.js, React, JavaScript, TypeScript, WordPress, Shopify, Wix, HTML5, CSS, API Integration, AWS, Docker, Kubernetes, Python, Django, D3.js, Google Analytics, Google Ads, SEO Optimization, WhatsApp API, HubSpot, ClickUp, Git, GitHub, CI/CD, Agile & Scrum, C/C++, Java, OpenMP, MPI, High-Performance Computing, Data Structures & Algorithms, UI/UX Design

**REFERENCES:** Available when required.