

# HARIS MOIN

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## **PROFESSIONAL SUMMARY**

Results-driven software developer with a strong foundation in web development and over 2 years of experience creating and managing dynamic web applications. Proficient in Java, JavaScript, and Python frameworks such as Spring Boot, Nextjs, React, and Django, with solid foundations of modern programming practices including test-driven development (TDD) and agile methodologies. Skilled in building robust, fault-tolerant software and driven by a passion for delivering impactful digital experiences through creativity and adaptability.

## **EDUCATION**

### **University of Liverpool, United Kingdom**

Master of Science in Advanced Computer Science

Sept 2023 - Nov 2024

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Modules of interest: Cloud Computing for E-commerce

Project: E-commerce web app

Position of responsibility: Developer

### **Aligarh Muslim University, Aligarh, India**

Bachelor of Science in Computer Application

Jan 2021 – May 2023

**Grade: 8.0/10.0**

Modules of interest: Web engineering

Project: Junior Project (Web application)

Position of responsibility: Developer and presenter

## **EXPERIENCE**

### **Digital Solutions Engineer**

March 2025 - Present

Akamedics Ltd, Leicester, United Kingdom

**Skills:** Next.js, React, JavaScript (ES6+), TypeScript, CSS, HTML5, WordPress, SEO Optimization, Google Analytics, API Integration, UI/UX Design

- Revamped the company's online presence by restructuring their WordPress site for modern, responsive design. Built custom block elements with Next.js and React
- Enhanced SEO and user experience, resulting in a 170%+ increase in active users and a 950%+ growth in page views (as per Google Analytics).
- Directly contributed to boosting course sales, lead generation, and organic brand visibility by transforming the website into a more engaging, conversion-driven platform.

### **Competitive Programming Intern**

March 2023 - May 2023

Computer Science Society (CSS), AMU, India

**Skills:** C/C++, Python, Java, Design and Analysis of Algorithms, Analytical Thinking, Coding speed and accuracy, Team collaboration

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

### **Event Manager**

August 2022 - May 2023

Google Developers Students Club (GDSC), AMU, India

**Skills:** Team Collaboration, Event Coordination, Time Management, Programming insights, Networking, Public Speaking, Adaptability Conflict Resolution

- Performed duties as an event manager in moderating various workshops, competitions and more.
- Worked alongside the designing and the organising team to support the group by creating valuable content for the publicity of its events. Also, constantly advertised about its importance through social media handles.

### **Graphic Designer**

November 2021 – June 2022

Indian Diaspora Washington DC Metro, Maryland, USA

**Skills:** Zoom, Procreate, Adobe Illustrator, Photoshop, Canva, Figma, Visual Ideation, Logo and Poster Design

- Created posters for the sessions organized by the group

- Worked as the moderator in its meetings

### Back-end Web Development Intern

Computer Science Society (CSS), AMU, India

June 2021 – May 2021

**Skills:** JIRA, Django, Python, Git, GitHub, HTML, CSS, JavaScript, Agile Software Development, Scrum, CI/CD

- Developed various websites, such as an e-commerce application and a blog application using the Django framework. Further went on to perform testing the functionalities of those applications and hosting them online.
- Learnt about version control using Git and GitHub

## PROJECTS

### Akamedics Digital Platform Redesign

June 2025 - August 2025

Akamedics Ltd Project, Leicester, UK

- Re-engineered the company's WordPress-based e-learning platform using Elementor for layout design and custom Next.js/React block elements for modular components.
- Configured key plugins (SEO optimization, analytics, and caching) to improve performance and discoverability.
- Implemented Google Analytics tracking to monitor user activity and engagement, aligning site updates with measurable traffic and conversion growth.

### Simple Polygon Triangulation

June 2024 - October 2024

MSc Final Project, University of Liverpool, UK

- 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 regularization.
- 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

October 2023 – January 2024

### Parallel and Distributed programming through OpenMP and MPI

Multi-core and multi-processor programming module's Assignment, University of Liverpool, UK

- 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.
- Uploaded files to Barkla server (the university's high-performance computing cluster) for high-performance computing.

### Impacts of IoT on Human-Machine Interaction:

September 2023 – December 2023

### A focus on Privacy and Security (Literature Review)

Group Project, University of Liverpool, UK

- 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)

August 2022 – May 2023

Dissertation Project, Aligarh Muslim University, India

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

**REFERENCES:** Available when required