

AMJAD HUSSAIN

Software Engineering Intern / Full-Stack (.NET / Angular / Laravel)

Computer Science Undergraduate – University of Jaffna

📍 Colombo, Sri Lanka



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Computer Science undergraduate at the University of Jaffna with practical experience in full-stack development using ASP.NET Core, Angular, and PHP/Laravel. Proven track record of building and deploying production-style systems, including a live auction platform. Active IEEE leader with strong financial and organizational skills, seeking an internship to leverage skills in software engineering, backend development, and cloud integration.

Education

- **University of Jaffna, Sri Lanka** 2022 - Present
 - Bachelor of Science (Honours) in Computer Science
 - GPA: 3.15 (Expected Graduation: 2027)
- **Royal College Colombo 7, Colombo** 2006 - 2020
 - A/L Physical Science Stream (ACS)
 - O/L 7A 2B

PROJECTS

- **AuctixLab – League Auction Management System (Live Project)**
 - Tech Stack: ASP.NET Core, Angular, SignalR, SQL Server, Tailwind CSS
 - Developed a production-grade auction platform used for live tournaments, featuring multiple auction modes and role-based access for Hosts, Team Owners, and Players.
 - Engineered robust RESTful APIs using ASP.NET Core and Entity Framework.
 - Implemented real-time data synchronization for live bidding using SignalR, enabling low-latency, real-time bidding during auctions.
 - Deployed and maintained the application on a VPS (auctixlab.cloud).
 - Led QA efforts, including regression testing and scenario design to ensure system stability.
- **Complaint Management System – Dept. of Computer Science, UoJ**
 - Tech Stack: PHP, MySQL, JavaScript, HTML/CSS
 - Built a centralized web portal for students and staff to track and resolve departmental complaints.
 - Designed a Role-Based Access Control (RBAC) system for Master Admins, Staff, and Students.
 - Implemented secure features including OTP-based password resets via email and image upload capabilities.
 - Created data visualization dashboards to track total, resolved, and pending complaints.
- **Mobile To-Do Application**
 - Tech Stack: React Native
 - Developed a cross-platform mobile application for task management with a responsive UI.
 - Implemented CRUD operations and local state management for a seamless user experience.
- **Bad Cookie Detector – Image Process and Edge Computing Simulation**
 - Built a Python-based simulation of a cookie production line that generates conveyor-belt images and integrates an image-classification service to detect defective cookies in near real time.
 - Evaluated edge vs cloud deployments of the model by measuring inference latency and throughput to quantify performance trade-offs.

TECHNICAL SKILLS

- **Frontend:** JavaScript, React.js, React Native, Angular, Tailwind CSS, HTML5, CSS3, Next.js (Basic).
- **Backend:** ASP.NET Core Web API, PHP (Laravel).
- **Databases:** Microsoft SQL Server, MySQL, MariaDB, MongoDB.
- **Languages:** Java, Python, C++, Perl.
- **Tools & Version Control:** Git, GitHub, Swagger/OpenAPI, JupyterLab, Pandas, NumPy.

VOLUNTEERING

● IEEE Student Branch – University of Jaffna	<i>Jan 2023 – Present</i>
• Former Treasurer & Executive Committee Member.	
• Manage branch budgeting, financial tracking, and reimbursements for all branch activities.	
• Collaborated on strategic planning and event organization, including IEEE Day 2023.	
• Served as Financial Chair for the YarllInsight Summer School on Software Engineering 2024, handling comprehensive financial planning for the program.	
• Spearheaded award nomination reports, securing recognition for the branch.	
● IEEE Young Professionals Sri Lanka	<i>Sep 2023 – Sep 2024</i>
• University Representative (StudPro 6.0).	
• Acted as the primary liaison between IEEE YP Sri Lanka and university students, promoting professional development programs.	
● Leo Club of Nallur 306B1	<i>Dec 2022 – Nov 2024</i>
• Assistant Secretary.	
• Facilitated documentation and communication for social service projects.	
● Department of Computer Science, UoJ	<i>Sep 2023 – Jan 2025</i>
• Level 2S Batch Representative.	
• Represent student feedback to academic staff and coordinate department-level activities.	

INTERESTS

- Cybersecurity
- Computer Networking
- Competitive Coding
- AI/Data Science

LANGUAGES

- Tamil (native).
- English (professional).
- Sinhala (conversational).