

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** *Jan 2023 – Present*
 - 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 YarlInsight 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** *Sep 2023 – Sep 2024*
 - 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** *Dec 2022 – Nov 2024*
 - Assistant Secretary.
 - Facilitated documentation and communication for social service projects.
- **Department of Computer Science, UoJ** *Sep 2023 – Jan 2025*
 - 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).