

# AMJAD HUSSAIN

Computer Science undergraduate at the 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, specifically in ASP.NET Core, Angular, and PHP/Laravel ecosystems. 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

2022-present

- Bachelor of Science (Honours) in Computer Science
- GPA: 3.15

### Royal College Colombo 7

2006-2018

- 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, ensuring zero latency during auctions.
- Deployed and maintained the application on a VPS (auctixlab.cloud), handling CI/CD and server configuration.
- 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

- Tech Stack: Python
- Created a simulation tool to identify problematic browser cookies, enhancing understanding of HTTP sessions and web security vulnerabilities.

## VOLUNTEERING

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### IEEE Student Branch – University of Jaffna

*Jan 2023 – Present*

- Past 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*

- Former 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.

## TECHNICAL SKILLS

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- **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.

## LANGUAGES

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- English :- Professional.
- Tamil :- Native.
- Sinhala :- Conversational.

## Interests

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