

# MUSARRAT ANJUM CHOWDHUY

Computer Science Graduate | Full-Stack Developer | Open-Source Enthusiast

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🌐 [musarrat.netlify.app](https://musarrat.netlify.app) 🔗 [Github](#) 🔗 [LinkedIn](#)

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## SUMMARY

Computer Science graduate and full-stack developer with 4 years of experience building scalable web applications in agile teams. Proficient in JavaScript, PHP, and modern frameworks like React, Laravel, and Vue.js. Skilled in designing REST APIs, CI/CD pipelines, and writing unit/integration tests to ensure code quality and performance. Passionate about solving real-world problems through technology and delivering impactful digital solutions.

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## SKILLS

**Languages:** JavaScript, TypeScript, PHP, Python, C++, HTML/CSS, SQL

**Frameworks:** React, Vue.js, Next.js, Laravel, Node.js

**Databases:** MongoDB, MySQL, PostgreSQL

**Tools & Platforms:** Git, Webpack, Docker, GraphQL, WordPress, GitHub Actions (CI/CD), Jira

**Practices:** Agile (Scrum/Kanban), Test-Driven Development, Unit Testing, Integration Testing

**Spoken Languages:** Bengali (Native), English (Fluent), Spanish(Basic)

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## WORK EXPERIENCE

**Software Engineer | AuthLab**

**Oct 2021 - Dec 2024**

- **System Optimization:** Refactored legacy code and streamlined database queries, improving application response times by ~20% and reducing memory usage.
- **Modular Architecture:** Designed a scalable feature framework to accommodate growing user demand while maintaining reliability.
- **Social API Compliance:** Architected scalable API integrations for Facebook, Instagram, X (Twitter), YouTube, and TikTok, optimizing data retrieval and ensuring compliance with platform standards (OAuth 2.0, Meta Graph API).

→ **Key Projects at AuthLab:**

- **Social Ninja (Social Media Plugin)** – Unified social media management tool for WordPress, which achieved 25k+ active installations by replacing multiple plugins with a single solution.
  - **Role:** Developed core features and ensured API compliance (OAuth 2.0, Facebook Graph API), resulting in faster data retrieval from social platforms.
- **Fluent Support (Helpdesk System)** – Help desk and ticketing application powering 10k+ businesses worldwide.
  - **Role:** Implemented a modular architecture for the ticket management system, which improved page load speeds significantly and integrated CI/CD to enable weekly releases with zero downtime.

**Software Engineer | AlgoSolver**

Jan 2021 - Sep 2021

- **Component Architecture Optimization:** Redesigned and modularized components to enhance rendering efficiency and application responsiveness, enabling smoother user interactions across high-traffic scenarios.
- **CI/CD Automation:** Implemented GitHub Actions to reduce manual deployment efforts and ensure consistent production releases.
- **Test-Driven Development:** Developed unit and integration tests with Jest and React Testing Library to maintain code reliability.

→ **Key Projects at AlgoSolver:**

- **E-Commerce Optimization Suite:** Engineered a custom e-commerce inventory and order management solution for retail clients, improving inventory reconciliation speed and helping clients gain real-time customer insights.
- **Healthcare Compliance Platform:** Collaborated with security experts to build a HIPAA-compliant patient data management platform, ensuring 100% adherence to data privacy regulations and Optimizing clinic data retrieval times.

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## EDUCATION

**Bachelor of Science in Computer Science and Engineering**

Sylhet International University | Sep 2017 – Jan 2022

- **Relevant Coursework:** Data Structure, Compiler Design, Algorithms, Machine Learning, Artificial Intelligence, Software Engineering, and System Analysis
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## CERTIFICATIONS & AWARDS

- **Certifications:** Certified in various web development and programming courses from renowned institutions such as the University of Michigan, Duke University, and the University of London. For a detailed view, please visit: **[My Certifications](#)**
  - **Awards/Activities:** Project Showcasing Champion in SIU ICT Fest (University tech fest) March 2020
  - **Open Source Contributor, WordPress Core Contributor.**
  - **Community:** Passionate about contributing to open source and Enhancing community-driven tools.
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## TECHNICAL WRITING

- *What the hack are hooks in React?* | [Read on Medium](#)
- *How to Become a WordPress Core Contributor* | [Read on Github](#)