MUNAM MUSTAFA

FULL STACK ENGINEER

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PROFESSIONAL SUMMARY

Full Stack MERN Developer with experience in building scalable web apps, **RESTful APIs**, and robust **server side** logic. Proficient in **React.js, Node.js, Python, C/C++**, and **MongoDB**. Former **Solution Design Intern** at **Inbox Business Technologies**. Currently developing **SmartTutor**, an interactive learning platform. Specialized in designing efficient **backend workflows**, secure **data handling**, and **API driven development**.

EDUCATION

FAST-NUCES **BS Computer Science** **Sep 2021 – Jun 2025.**

PROFESSIONAL EXPERIENCE

Inbox Business Technologies | Solution Design Intern **Jul 2024 – Sep 2024.**

- **Contributed** to the **backend development** of an Attendance Management System using **Express.js**, focusing on **routing, middleware integration**, and **API handling**.
- Gained hands-on experience with **RESTful APIs** by implementing web-based **AI chatbots** for dynamic user interaction.
- Optimized **MongoDB schemas** for efficient data storage and integration in MERN application.

E-Commerce Application | Full Stack Developer (Freelance Project) |Github-link

- **Built a scalable e-commerce platform** using **CSS, php, phpMyAdmin (Database)**, creating a user friendly experience for customers.
- **Designed an intuitive front-end** with **HTML/CSS**, ensuring a seamless user experience for targeted users.

Switch Communication - Farm to Home | Full Stack Developer **June 2025 – Current.**

- **Developed and maintained scalable web applications using Laravel and TypeScript.**
- **Designed** and **optimized MySQL** databases for high performance and reliability.
- Implemented **RESTful APIs** and integrated third-party services to enhance platform capabilities.
- **Collaborated** with **cross-functional** teams to deliver end-to-end solutions in an agile environment.
- **Worked** on both **frontend** and **backend**, ensuring seamless user experience and robust **backend logic.**

Associated Business Solutions Pvt Ltd | Full Stack Developer

- **Building** an **e-commerce** automation platform similar to **AutoDS** and **Sellbrite** using the MERN stack**..**
- **Developed product** and **order management** modules for multi-channel **marketplaces**.
- **Integrated** third-party e-commerce **APIs (Amazon, eBay, Shopify, etc.).**
- Implemented **authentication, role-based access,** and **secure REST APIs.**
- **Collaborated** with the team in an **agile environment** to deliver **core features.**

TECHNICAL SKILLS

Frontend:	➢ React.js, JavaScript, HTML5, CSS
Backend:	➢ Node.js, Express.js, Flask, FastAPI, PHP
Databases:	➢ MongoDB, MySQL, PhpMyAdmin, SQL Server
DevOps & Tools:	➢ Git, GitHub Actions (CI/CD), Docker, Kubernetes
Programming Languages:	➢ C, C++, C#, Python, JavaScript, Golang, SQL

PROJECTS

HAMCloset – Dressing Organizer App |

- Developed a real-time dressing organizer application using the **MERN stack**.
- Engineered a robust **backend** to enhance usability and performance.
- Managed **database** systems for efficient storage and retrieval of images via their paths.

SmartTutor – An Interactive Learning Platform | Github-link

- Developing **SmartTutor**, an interactive **learning platform**, to create seamless user experiences.
- Implemented intelligent tutor matching algorithms and **dynamic scheduling** to optimize learning sessions based on student preferences and availability.
- Integrated **video call** functionality with real time **emotion tracking** for tutors to monitor student engagement.

JobFairy – Job Fair Management System | Github-link

- Developed JobFairy, a job fair management system using the **HTML, CSS, PHP** enabling seamless event organization.
- Implemented features for real time **registration, booth allocation**, and **attendee management** to streamline the job fair experience.
- Utilized **MySQL** for efficient database management, ensuring smooth data storage and retrieval for user profiles, registrations, and event analytics.

SchedulerAI – Time Table Scheduler | Github-link

- Developed a **genetic algorithm** based scheduling system in **Python** to optimize university course allocations, ensuring conflict free timetable scheduling.
- Utilized natural selection principles i.e **selection, crossover, mutation** to generate optimal solutions.
- Created **fitness functions** to evaluate timetables based on criteria like room capacity, significantly reducing conflicts and improving timetable balance.

ThesisFlow - Thesis Management System (.Net framework) | Github-link

- Developed **ThesisFlow**, a comprehensive thesis management system using the **.NET** framework to streamline thesis submission, review, and tracking processes for students and faculty.
- Implemented user authentication, role-based access control, and a dynamic dashboard for easy navigation of thesis stages, including proposal, drafting, and submission.
- Utilized **MySQL** for efficient data storage, enabling seamless management of thesis data, feedback, and progress tracking.