Omar Faruk

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 whereisfarukk | 🌐 whereisfarukk.github.io | in Omar Faruk

Skills

Languages: C/C++, Java(OOP), TypeScript, JavaScript, HTML, CSS, SQL
Framework: ReactJS, NextJS, NodeJs, ExpressJs, Tailwind CSS, LangChain
Databases: MySQL, MongoDB, PostgreSQL
Tools: Git, Github, JEST, Cypress, JUnit, Selenium, Vim, Latex, Android, Unity
OS : Linux , Windows , MacOS

Education

Shahjalal University of Science and Technology   Feb 2020 – Dec 2024
B.Sc in Software Engineering   **CGPA: 3.65/4.00**
Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms,Software Verification and Validation, Operating Systems, Computer Networks, Machine Learning, Artificial intelligence, Computer Graphics and Image Processing

Work Experience

Technext, Bangladesh   June 2025 - Present
Associate Software Engineer (Remote)

- Developing and designing responsive websites with Astro, leveraging its component-based architecture and partial hydration to deliver fast, SEO-friendly, and user-centric frontends.

Technext, Bangladesh   Dec 2024 - May 2025
Software Engineer Intern

- Built responsive, scalable web apps using React.js , Next.js , and CSS frameworks, ensuring clean, modular, and maintainable code.
- Optimized performance with SSR, lazy loading, and code splitting in Next.js , while integrating RESTful APIs.
- Conducted unit tests with Jest and E2E tests with Cypress , identified bugs, and ensured high-quality, bug-free applications through rigorous testing.
- Worked in Agile teams using Git , participated in code reviews, and collaborated with clients to align deliverables with project requirements.

Project Work

- **FlatFlow:** A full-stack web application designed to streamline apartment building operations for a 30-family residential community. Features include financial management (fund tracking, expense reports, utility bill generation), announcements, document storage, user profiles, and role-based access for residents and admins. The platform supports bill payment tracking, committee management, and maintenance scheduling. Built with React, TypeScript, Tailwind CSS on the frontend, and Node.js, Express.js, MongoDB on the backend with a fully responsive modern UI.
  Tech Stack: React, TypeScript, Tailwind CSS, Node.js, Express.js, MongoDB

- **Book Management System:** A full-stack web application for managing books, featuring Firebase authentication and MongoDB for data storage. Users can sign up, log in, view books, bookmark favorites, and—after authorization—access a dashboard to add, update, or delete books. The application uses React Context for managing user data, React Router for navigation, and a Node.js/Express backend with a RESTful API. Designed with a responsive interface for both mobile and desktop users.
  Tech Stack: React.js, Node.js, Express.js, MongoDB, Firebase Authentication

- **Chat with multiple pdf:** Developed a Research Assistant Guide (RAG) project that allows users to chat with multiple provided PDF documents. Users can ask questions based on the PDFs, and the system provides accurate responses using retrieval-augmented generation. Implemented with Python, LangChain, OpenAI, and Hugging Face models, this project demonstrates my skills in integrating advanced AI tools and creating user-friendly applications
  Tech Stack: Python, LangChain, OpenAI API, Hugging Face Transformers, Streamlit

- **MindHive:** A full-stack social platform built with Node.js, Express.js, MongoDB, HTML, and CSS. Implemented user authentication & authorization, profile creation, post creation, commenting, liking, bookmarking, and logout functionality. Developed a profile picture upload system using Multer. Gained hands-on experience in backend development, authentication mechanisms (JWT), database management (MongoDB), and building scalable REST APIs.

- **Online Hall Allocation System:** Revolutionizing campus housing allocation, our user friendly website simplifies the process. Students browse, apply, and track progress seamlessly. Enjoy less stress, more choice, and transparency.It's the future of hall allocation, one click at a time!

Achievements

- **1500+** problem solved on multiple online judges. 🔗,**specialist** on codeforces & top **5** on beecrowd.🔗.
- **150+** problem solved on LeetCode.🔗
- **Selected finalist**, Therap Javafest , Bdapps National Hackathon.
- **7th, Divisional Math Olympiad**
- Machine Learning and Deep Learning Specialization on Coursera.

Research & Thesis

- **Thesis:**A Study on Cookies in Bangladeshi Websites
  - Developed CookieBlock browser extension .
  - Used web crawlers and machine learning to classify cookies .
  - Suggested improvements for GDPR compliance and digital law of BD.

Extracurricular Activities

- **Joint Secretary**, SUST Student Association, Feni
- **IUPC Volunteer**,SUST SWE TECHNOVENT
- Mentored 10 high school students on programming and problem solving.