SHAFIUL ALAM FAYSAL

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PROFESSIONAL EXPERIENCE

Teaching Assistant   **January 2022 – April 2022**
American International University-Bangladesh (AIUB) | Software Engineering

AREA OF INTEREST

- Frontend Web Development (React.js, Next.js, Tailwind, Redux)
- Modern UI/UX Design & Animation (Framer Motion)
- API Integration and Web Application Performance

HIGHLIGHTS

- **Frontend Development Expertise**: Strong skills in **React.js, Next.js, Tailwind CSS, Redux**, and creating responsive, interactive UIs with **Framer Motion**.
- **Full-Stack Knowledge**: Familiar with **MongoDB, Mongoose, Axios, JWT, Node.js**, capable of building and integrating backend APIs.
- **Authentication & Security**: Implemented **secure login systems** using **JWT, bcrypt.js, and Nodemailer**.
- **Problem-Solving & Learning**: Hands-on experience in **CRUD operations, server-side rendering, and project lifecycle**; quick to learn new technologies.
- **Code Quality & Best Practices**: Applied **ESLint**, **component-based architecture, and clean coding standards** to ensure maintainable code.

EDUCATIONS

Bachelor of Science in Computer Science and Engineering   **May 2017 – March 2023**
American International University-Bangladesh (AIUB)

Higher Secondary Certificate - HSC   **Jun 2014 – August 2016**
BAF Shaheen College Kurmitola

Secondary School Certificate - SSC   **January 2012 – May 2014**
Uttara High School And College

CERTIFICATION

- Completed **Machine Learning Specialization** offered by DeepLearning.AI & Stanford University through Coursera

PROJECTS

Front-End Developer Projects:

Portfolio – Developed a Personal Portfolio with React & Next.js.

- Developed **responsive and scalable web application** using **React.js**, **Next.js**.
- Implemented **modern UI/UX designs** using **Tailwind CSS and Framer Motion** for smooth animations.
- **Key Learnings**: Component-based architecture, Framer Motion animations, responsive design, React props & state management.

[Blog-App](#) – Developed a Blog App with React & Next.js

- Build **a full-stack platform** using **Next.js** with server-side rendering and API routes.
- Designed and styled a **responsive UI with Tailwind CSS (V4)** for modern and mobile-first layouts.
- Integrated **MongoDB database** using **Mongoose ORM**, enabling secure storage and retrieval of blog posts.
- Implemented **CRUD operations** (Create, Read, Update, Delete) for blog posts with proper error handling.
- Added **notifications and alerts** using **React Toastify**, improving user experience.
- **Key Learnings**: MongoDB CRUD operations, Mongoose ORM, full-stack integration, API handling, server-side rendering with Next.js.
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[Next-Auth-App](#)– Developed a Personal Portfolio with React & Next.js.

- Developed a **full-stack authentication** application using **Next.js** with modern routing and server-side features.
- Implemented **secure user authentication** with **JWT (jsonwebtoken)** for session management.
- Utilized **bcrypt.js** for password hashing, ensuring high security of user credentials.
- Designed **responsive and modern UI** using **Tailwind CSS**.
- **MongoDB** & **Mongoose** (data storage & retrieval) | **Nodeamailer** (email verification & password recovery) | **React Hot Toast** (real-time-notification) | **Axios** (API request)
- **Key Learnings**: Next.js backend development, JWT authentication, bcrypt.js security, React Hot Toast for notifications, Nodemailer for email workflows, TypeScript integration.

[Flixx](#) – Interactive Movie Information App.

- Developed an interactive movie browsing platform using TMDB API for fetching movie and TV show data.
- Built a **responsive and modern UI** using **HTML, Tailwind CSS, and JavaScript**, ensuring smooth user experience across devices.
- Integrated **Swiper.js** to create an engaging and dynamic **movie slider** for trending, popular, and upcoming films.
- Key Learnings: API integration (TMDB), dynamic UI with JavaScript, Swiper.js for sliders, responsive web design, managing environment variables with dotenv.

Thesis – Flower Growth Classification & Detection using CNN Models & Ensemble Methods

- Python (Tensorflow, Kears): Developed and train CNN architectures for feature extraction and flower growth classification.
- OpenCV: Performed image preprocessing, including resizing, normalization, and data augmentation.
- Ensemble Methods: Combined outputs of Inception V3 and VGG models to improve classification accuracy.
- Matplotlib & Pandas: Conducted data analysis and visualized model training performance.