

Atib Jawad Zion

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+971 50 210 5637 | Dhaka, Bangladesh

Education

New York University Abu Dhabi | Bachelor of Science

2020 - 2024

Major: Computer Science | Minor: Interactive Media

Relevant coursework: Agile Software Development & DevOps, Artificial Intelligence, Applied Machine Learning, Data Structures, Algorithms, Computer Networks, Computer Systems Organization, Operating Systems, Multivariable Calculus

Skills & abilities

Programming Languages JavaScript, TypeScript, Python, C, C++

Frameworks and Libraries React, Redux, Next.js, Node.js, Express.js, React Native, Framer Motion, jQuery, p5.js

Frontend Technologies HTML, CSS, Tailwind CSS

Design & Wireframing Figma, Adobe Photoshop, Adobe Illustrator

Version Control Git

Internships

Frontend Developer & UX Designer | JaduPC (Startup) | [Link](#)

Jun 2023 – Aug 2023

- Migrated consumer facing e-commerce website of a tech startup from Vanilla JS to **React**
- Deployed on a serverless hosting provider and demonstrated advanced knowledge of **REST APIs** by integrating a Laravel backend
- Implemented customer authentication features and session management using **JWT** tokens
- Analyzed business requirements to optimize UX, implemented staggered deployment, and utilized **Git** for version control

Project Highlights

llm-gatekeeper | JavaScript Library (Open Source Contribution) | [Git](#) | [npm](#)

- Developed a JavaScript library in **TypeScript** to validate the relevance of prompts to AI chatbots, aiming to reduce LLM API usage costs
- Implemented zero-shot classification using a pre-trained **machine learning** model via the Transformers.js library
- Achieved less than 5 second model loading time by optimizing pipeline instantiation with advanced JavaScript techniques

Shelf | Full Stack App | [Git](#) | [Deployed app](#)

Jun 2024

- Developed social reading app with **Next.js 14**, utilizing **server-side rendering** features for faster browser loads; deployed on **Vercel**
- Built **Node.js** server with **Puppeteer** for PDF generation; **containerized** and deployed on Render, optimized server speeds by 80%
- Integrated AI reading assistant using **Perplexity AI API** for personalized recommendations and text explanations

Goodscroll | Mobile App, NYUAD Capstone Project | [Git](#)

Aug 2023 – Dec 2023

- Fine-tuned a **Generative AI** model (GPT 3.5) to create actionable tasks fetched with Google Calendar API
- Developed a **cross-platform** productivity app based on qualitative UI research using **React Native** and **Expo**
- Implemented database and authentication system using **Google Firebase**

Bayt | MERN Stack App | [Git](#)

Jan 2023 – May 2023

- Spearheaded **UX** and **UI** design sprints and developed a task-sharing **React** app using **Agile** methods
- Built an **Express.js** backend and integrated with a **MongoDB** database, demonstrating strong proficiency in **Node.js** and **NoSQL**
- Utilized **object-oriented design** and **reusable React components** in development, conducted **unit tests** using **Mocha** and **Chai**
- Containerized with **Docker** and deployed on **DigitalOcean** using **CI/CD** pipelines

Work Experience

Interactive Media Lab Assistant | Interactive Media Lab, NYU Abu Dhabi

2022, Aug 2023 – Dec 2023

- Guided students in **debugging** code and troubleshooting **Arduino** projects, enhancing their learning outcomes and project success
- Expertly operated and maintained **laser cutters** and **3D printers**, ensuring project specifications were met with precision
- Contributed to lab's scheduling website and added dynamic features using **JavaScript**