

ALIF AL RAZI

SOFTWARE ENGINEER



TECHNICAL SKILLS

Frontend Development

- React.js:** Components, Hooks, Context API, State Management.
- Next.js:** Server-side Rendering (SSR), Static Site Generation (SSG), API Routes.
- JavaScript (ES6+):** Modern syntax, DOM manipulation, and event handling.
- CSS Frameworks:** Tailwind CSS, Bootstrap, Material-UI, shadcn/ui.
- CSS Preprocessors:** SASS/SCSS.
- Responsive Design:** Media queries, Flexbox, Grid.

Backend Development

- Node.js:** REST API development, event-driven architecture.
- Express.js:** Middleware, routing, and APIs.
- Real-time Communication:** Socket.io.
- Authentication:** JWT, OAuth, NextAuth, Firebase Authentication.
- APIs:** RESTful APIs.

Databases

- SQL:** MySQL.
- NoSQL:** MongoDB, Firebase Firestore.
- ORM:** Prisma for Node.js.

Version Control & Deployment

- Version Control:** Git/GitHub.
- Serverless Frameworks:** Vercel.

Artificial Intelligence & Machine Learning

- AI Integration:** Experience working with OpenAI API.
- Machine Learning Libraries:** scikit-learn, TensorFlow, PyTorch, Keras.
- Generative AI:** LLM, OpenAI, Llama, RAG, LangChain, Vector Database.

Programming Languages

- Proficient:** JavaScript, Python.
- Familiar:** C, C++, Java.

Graphic Design

- Tools:** Adobe Photoshop, Adobe Illustrator.

**Enthusiastic React Full Stack Developer** with hands-on experience in developing web applications using **React.js**, **Node.js**, and **MongoDB**. Focused on modern web technologies, **UI/UX design principles**, and applications in **AI and machine learning**. Proficient in **building intelligent solutions** using **OpenAI APIs**, **LangChain**, **RAG pipelines**, and popular **ML frameworks** like **TensorFlow**, **PyTorch**, and **scikit-learn**. Experienced in developing end-to-end AI applications, including **large language models (LLMs)** and **vector databases**. Eager to contribute to innovative projects, leveraging both full-stack development and machine learning expertise to create impactful solutions in a dynamic team environment.

JOB EXPERIENCE

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| <b>Software Engineer</b>   | May 2024 - Present         |
| <i>Tweetsy Inc.</i><br>As a Software Engineer at Tweetsy Inc., I develop full-stack SaaS products with responsive user interfaces and scalable backend services. I collaborate with teams to enhance user experiences, build AI-driven tools for business optimization, and integrate APIs to expand functionality and streamline workflows. |                            |
| <b>Moderator</b>   | February 2024 – March 2024 |
| <i>Virtual Sherpa</i><br>Promoting constructive engagement, upholding standards, aiding users, strategizing for growth, and safeguarding the community by monitoring and managing unsuitable content.  |                            |
| <b>Moderator</b>   | February 2024 – March 2024 |
| <i>Ecosapiens.xyz</i><br>Ensuring positive interactions, enforcing guidelines, assisting users, collaborating on growth strategies, and maintaining a safe space by monitoring and addressing inappropriate content.   |                            |

EDUCATION

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| <b>Bachelors of Science in Computer Science and Engineering</b>          | 2020-2024 |
| <i>North South University</i><br>Result: CGPA 3.51 [On a scale of 4]     |           |
| <b>Higher Secondary School Certificate (HSC)</b>                         | 2016-2018 |
| <i>Adamjee Cantonment College</i><br>Result: GPA 5 [On a scale of 5]     |           |
| <b>Secondary School Certificate (SSC)</b>                                | 2014-2016 |
| <i>BAF Shaheen College, Kurmitola</i><br>Result: GPA 5 [On a scale of 5] |           |

RESEARCH EXPERIENCE

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| <b>Ophthalmic Diseases Detection Using CNN</b>  |
| <i>Published at the IEEE International Conference on Computational Intelligence and Communication Networks.</i>                     |
| <b>DOI:</b> <a href="https://doi.org/10.1109/CICN63059.2024.10847410">10.1109/CICN63059.2024.10847410</a>                           |
| ResNet-50, ResNet-18, VGG-16, and VGG-19 architectures for classification. Contributed to AI-driven solutions in early diagnostics. |

EXTRACURRICULAR ACTIVITIES

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| <b>IEEE North South University Student Branch (IEEE NSU SB):</b>  |
| Actively participated as a member of the IEEE NSU SB, engaging in technical workshops, seminars, and networking events. |

CERTIFICATIONS

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| <b>Software Engineer Intern</b> – <i>HackerRank</i> (Credential ID: fe145cccf8b3)   |
| <b>Frontend Developer (React)</b> – <i>HackerRank</i> (Credential ID: 206df90d75b5) |
| <b>JavaScript (Intermediate)</b> – <i>HackerRank</i> (Credential ID: 5491f303f590)  |