

Dewan Mukto

Full Stack Software Developer & AI Engineer

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EDUCATION

BRAC University
Bachelor of Science, Computer Science

Dhaka, Bangladesh
Oct 2024 - Sep 2026

Memorial University of Newfoundland
Bachelor of Science, Computer Science

St. John's, NL, Canada
Sep 2020 – Dec 2023

RELEVANT COURSEWORK

Data Structures, Algorithms, Object-Oriented Programming, Data Modeling, Relational Databases, Agile, Scrum, Test-Driven Development (TDD), RESTful API Design, Full Software Development Lifecycle (SDLC), Cloud Computing, DevOps Practices, External API Integration, Code Quality Assessment, Machine Learning, AI/ML Model Fine-tuning, Agentic AI Tools.

SKILLS

Programming Languages: Python, Java, C, JavaScript, TypeScript, Lua.

Frameworks Libraries: Node.js, React, Next.js, Vite, Tailwind, Django, Scikit Learn, Pandas, XAMPP, Three.js.

Engineering Principles: Git, CI/CD, Linux, DNS Management, Cloudflare, AWS, Google Cloud, MongoDB, MCP, RAG.

Digital Marketing: Copywriting, SEO, AEO, Graphic Design, Video/Audio/Image Editing, Brand Strategy, Google Analytics.

EXPERIENCE

Makron Intelligence
Software & Web Developer

Remote
Jul 2023 – Sep 2026

- Built and deployed web platforms to minimize infrastructure overhead and maximize delivery efficiency
- Designed and developed user-aware interfaces (UI) prioritizing intuitive user experience (UX) standards
- Chose the right frameworks to build the best software using the minimal amount of code and resources

Sherwin-Williams Paint Store
Sales Associate

St. John's, NL, Canada
Jul 2022 – Jun 2023

- Participated in a fast-paced teamwork-oriented environment full of opportunities and challenges
- Demonstrated restoration skills by matching desired store merchandise layout to planogram
- Provided superior customer service, ensuring they compliment the brand with every visit
- Synchronized tinting machinery to remain up-to-date and ready-for-duty with a 90-100% uptime

Mark's Work Wearhouse
Sales Associate

St. John's, NL, Canada
Oct 2021 - Feb 2022

- Answered customer queries within 30-55 seconds (on average)
- Multitasked in a highly dynamic environment reactive to every passing season of fashion
- Maintained a high standard of in-store hygiene and warehouse environmental integrity

Mux Anime Studios
Storyboard Director

Remote
Nov 2019 - Feb 2022

- Led a team of 41 volunteering artists and enthusiasts from around the globe in pursuit of producing an anime series
- Assisted with the recruitment of new members by screening their backgrounds, skills and eligibility to be a part of the project

PROJECTS

Hana AI:

- Suite for a virtual assistance automation (VAA) ecosystem with API integrations and automations to mainstream apps
- Full immersion via HCI and AI/ML domains of concepts applied with Three.js libraries with Web Speech API voice engine
- Users can self-host open-source LLMs via a Ollama-Ngrok pipeline with HuggingFace options for edge computing
- Published the web platform as a decentralized, privacy-focused, customizable alternative for cheaper consumer-level usage
- Delivered the power of AI in applied industries to the consumer level without needing to fully rely on big tech corporations
- Applied knowledge from literature review performed when working on an undergraduate thesis on researching about AGI

Liaoverse (Excite):

- Open source social media platform template designed to deploy and run at \$0 costs to the host with scalable options
- Utilized GitHub for a collaborative DevOps workflow with a total of 3 active contributors branching simultaneously
- Tested the MVP with around 70 beta testers for the main instance running on Vercel and Supabase with the Next.js frontend
- Designed the UI and UX based on Gen Z trends and aesthetics researched from online mass media sites with customization