

# Badruddoza Kaif

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## TECHNICAL SKILLS

**Languages:** Python, TypeScript, Java, PHP, Batch Script

**Frameworks/Tools/AI:** React, Flask, FastAPI, Django, Eel, PyTorch, MediaPipe, YOLO, Git, DigitalOcean, Vercel, Google Cloud, Twilio, Stripe, Tailwind, OpenAI, Figma, Photoshop, Illustrator

**Databases:** Firebase, MongoDB, Supabase, Qdrant, Redis, PostgreSQL

## EDUCATION

**BRAC University**

*B.Sc. in Computer Science*

Dhaka, Bangladesh

*Expected 2027*

## EXPERIENCE

**Yobo AI**

*Software Engineer*

Ontario, Canada (Remote)

*Dec 2024 – Present*

- Architect and deploy full-stack web systems, including an AI-driven order platform powering restaurant operations.
- Build internal developer tools that optimize CI/CD, testing, and deployment workflows.
- Design a scalable AI control platform integrating RAG, proactive outreach, and inventory automation.
- Develop REST APIs to connect AI agents with Qdrant and MongoDB vector databases.
- Integrate Twilio and OpenAI speech models to enable seamless real-time voice interactions.

**MegaMind Tech**

*Software Development Engineer*

Ontario, Canada (Remote)

*Feb 2024 – Dec 2024*

- Led a large-scale codebase refactor improving performance, maintainability, and reliability across core systems.
- Redesigned the UI with Eel (Python-HTML), accelerating load times and simplifying feature development.
- Engineered MediaPipe-based face tracking for adaptive, interactive kiosk experiences.
- Implemented multimodal dashboards and tools enhancing analytics and usability.

*Software Development Engineer Intern*

*Oct 2023 – Feb 2024*

- Developed a management dashboard for kiosk analytics and configuration control.
- Trained a wake-word detection ONNX model to solve voice activation issue, achieving 99.48% real-time accuracy.

## LEADERSHIP & INVOLVEMENT

**Notre Dame Information Technology Club**

*President, Dept. of Publications*

Dhaka, Bangladesh

*Apr 2023 – Jun 2024*

- Supervised design and publication workflows while mentoring junior members in web and creative tools.

**Code in Place – Stanford University**

*Section Leader*

Remote

*Apr 2024 – Jun 2024*

- Taught a 6-week Python course (Stanford's CS106A) to 12 students from across 8 countries, covering coding fundamentals and problem-solving.

## PROJECTS

**Landsat Lens** | *Python, Flask, React, Vercel, Firebase, Leaflet*

Aug 2024 – Oct 2024

- Visualized real-time Landsat satellite paths using NASA Celestrak and interactive Leaflet maps.
- Fetched and overlaid USGS M2M satellite data on user-selected coordinates.
- Set up email alerts for upcoming satellite passes and orbit predictions.

**Astrobee Controller** | *Java, Gradle, Tensorflow, LiteRT, ZXing, Docker*

Apr 2023 – Aug 2023

- Control Astrobee Robot movement using Quaternions in the International Space Station with KIBO API.
- Detect 8 tools by training a Tensorflow model with simulated data, and detect AR codes using ZXing.

## HONORS & AWARDS

**Champion** — MegaMind Tech AI Contest (*Feat. in The Daily Star*)

2023

**Nat'l Champion & Int'l 5th** — Kibo Robot Programming Challenge (*Feat. in Prothom Alo*)

2023