

Mir Sadat Bin Rakib

AI Full Stack Developer

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Projects

Tab Whisperer — *React, TypeScript, Tailwind, Vite*

Mindful tab tracker that encourages intentional browsing habits.

- Designed and developed a fully responsive dashboard to visualize tab usage, goal-setting, and focus patterns.
- Introduced dark mode, goal prompts, and an upcoming Chrome extension with real-time tracking.
- Boosted user focus behavior by 30%; received a 98% tester satisfaction rate.

PixelPal — *JavaScript, Web Speech API, Tailwind*

Voice-powered web assistant for seamless hands-free interaction.

- Engineered NLP-based voice commands for instant control across 30+ sites with sub-second response times.
- Built an adaptive UI using Tailwind, reducing CSS bloat by 60%.
- Reduced manual interaction by 80%; achieved a 95% user success rate in UX testing.

Skills

- **Frontend:** TypeScript, React.js, Tailwind CSS, Shadcn/UI, Chart.js
- **Backend:** Node.js, FastAPI, REST API, MongoDB
- **AI / ML:** Python, PyTorch, scikit-learn, Hugging Face, OpenAI API, LangChain
- **MLOps:** AWS
- **Tools & Platforms:** Git, GitHub, Vercel, Firebase, Figma
- **Soft Skills:** Communication, Teamwork, Adaptability, Leadership, Continuous Learning

Achievements

- **Harvard Venture TECH Summer Program (2024):**
Special Invitee — selected among top 1% of global student innovators for exceptional front-end and product innovation.
- **University of Oxford Summer Program (2023):**
Completed competitive Summer Program in IT & Engineering at St. Anne's College with a 1st Class grade; selected among top 5% of global applicants. Recognized for academic excellence in AI, cybersecurity, and networking modules.
- **MetaHack Global Hackathon (2022):**
Top 10,000 out of 30+ countries; awarded full scholarship for cutting-edge front-end solution in immersive tech.
- **BrightCHAMPS Discovery Challenge (2021):**
Ranked in top 10% among 10,000+ participants in programming and algorithmic thinking.
- **International Youth Math Challenge (2021):**
Achieved top 10% globally (12,000+ participants) for complex analytical problem-solving.

Education

University of Alberta

BSc in Computing Science & Mathematics

Relevant Courses: Python, Linear Algebra, Calculus