Saakshi Munot

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EDUCATION

Purdue University — West Lafayette, IN
B.S in Computer Science/ Minor in Mathematics/ Concentration in Machine Intelligence and Databases and Information Systems — *Dec 2026*

EXPERIENCE

Fusen World Fellowship, rebootED — Atlanta, GA
Founder & Software Developer — *May 2025 – Present*
- Designing and Building an AI-driven learning platform, reducing course creation time by **90%** for corporate trainers through automated content generation using **LLMs**
- Architecting a scalable microservices backend with **FastAPI** and **SpringBoot**, enabling seamless integration with enterprise LMS platforms and supporting diverse content types
- Enhanced user engagement by **60%** with a responsive **Next.js/Typescript** frontend, featuring real-time AI feedback and dynamic UI adaptation based on user feedback and user context

InboxPilot (ML@Purdue) — West Lafayette, IN
Co-founder & Software Developer — *Sept. 2024 – Present*
- Developing a full-stack email automation platform with **Next.js** and **Typescript**, automating **60%** of routine email tasks and saving users an average **10 hours weekly**
- Implementing a **RAG-based** intelligent email processing system, enabling context-aware responses with Gmail and Outlook integration
- Designed a comprehensive analytics dashboard tracking **6+** key email metrics, coupled with an automated rule engine reducing manual **email management by 60%**

Hackathon Leaderboard (ML@Purdue) — West Lafayette, IN
Software Developer — *Sept. 2023 - Feb. 2024*
- Contributed to a real-time hackathon leaderboard using **Flask** and **React**, supporting 15+ concurrent entries with dynamic sorting and RESTful API integration
- Reduced deployment complexity by **80% through Docker** containerization and CI/CD pipelines using **Google Cloud** Build for automated testing and deployment
- Implemented a scalable system with **Redis** persistence and sponsor server integration, seamless competition state management and dual scoring metrics

PROJECTS

Scurry (Technology Student Association - 1st in States) — Jan 2023 – May 2023
HTML, JavaScript, CSS, Firebase
- Developed a gamified learning management system for K-12 students, integrating Firebase for authentication and analytics, increasing classroom engagement by 40%.
- Optimized UI/UX for teachers and students, streamlining navigation and usability, resulting in 30% higher user retention in pilot testing.

myBaymax (Healthcare AI - 2nd at HackMCST) — April 2023
WebSpeech API, HTML, CSS, JS, Tensorflow.js, Teachable Machine
- Built a virtual health assistant leveraging ML-based audio recognition and Web Speech, improving accessibility for users with diverse needs.
- Enhanced user interaction with voice-based controls and visual engagement features.

AISL (AI Applied to Sign Language - 2nd at HackMCST) — April 2022
TensorFlow.js, Computer Vision, HTML, JS, Speech Synthesis
- Created a real-time ASL recognition and audio translation system using TensorFlow.js and computer vision, bridging communication for ASL and non-ASL users.
- Improved accessibility by enabling accurate translation with 85% precision.

MCST Bus Locator Application — Oct. 2021 - June 2022
HTML, CSS, JS, Firebase
- Developed a GPS-enabled bus locator system with Firebase and Google APIs, enhancing school transportation efficiency by 50%
- Automated routing and scheduling, reducing planning time by 60% and maintaining active use across the school district

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres, mySQL), JavaScript, HTML/CSS, R, TypeScript
Frameworks: React, Node.js, Next.js, Flask, FastAPI, Spring Boot
Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, IntelliJ, AWS, Linux, Firebase, Android Studio
Technologies: LLMs, Web Speech API, Computer Vision, Full Stack Development