Saakshi Munot

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EDUCATION

Purdue University   West-Lafayette, IN
B.S. in Computer Science | Concentration in Machine Intelligence and Databases & Information Systems | Minor in Mathematics   Dec 2026
- **Relevant Coursework:** Systems Programming, Artificial Intelligence/Web Information, Analysis of Algorithms, Data Structures & Algorithms, Information Systems, Relational Databases, Discrete Mathematics, Linear Algebra, Object Oriented Programming
- **Clubs/Activities:** Machine Learning @ Purdue, Badminton Club, Society of Women Engineers

SKILLS

Programming/Markup Languages: Java, Python, TypeScript, JavaScript, SQL, R, C, C++, HTML, CSS, SCSS
Frameworks: React.js, Node.js, Next.js, Flask, Fast API, Spring Boot
Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, IntelliJ, AWS, Linux, Firebase, Android Studio

EXPERIENCE

Fusen World Fellowship   Atlanta, GA
Founder & Software Engineer, Team 'rebootED'   May 2025 – Aug 2025
- Designing and building an AI-driven learning platform with LLMs, cutting course creation time by 90% for corporate trainers.
- Architecting a scalable microservices backend (Fast API, Spring Boot), integrating with enterprise LMS platforms.
- Boosted user engagement by 60% with a responsive Typescript frontend, offering real-time AI feedback and dynamic UI adaptation.

Inbox Pilot   West-Lafayette, IN
Co-founder & Software Developer   Sept 2024 – Aug 2025
- Built a full-stack email automation platform(Next.js, Typescript), cutting 60% of routine tasks and saving users ~ 20 hrs./week.
- Implemented a RAG-based email system with Gmail & Outlook integration, enabling context-aware responses.
- Developed an analytics dashboard tracking 6+ key metrics and an automated rule engine reducing manual management by 60%.

Hackathon Leaderboard   West-Lafayette, IN
Software Developer (ML@Purdue)   Sept 2023 – Feb 2024
- Engineered a real-time hackathon leaderboard (Flask, React) supporting 15+ entries with dynamic sorting and RESTful APIs.
- Streamlined deployment complexity by 80% using Docker and CI/CD pipelines on Google Cloud Build, ensuring auto testing.
- Implemented a scalable system with Redis persistence, seamless sponsor server integration, and dual scoring metrics.

PROJECTS

Scurry   Jan 2023 – May 2023
HTML, JavaScript, CSS, Firebase
- Developed a gamified LMS for K-12 students with Firebase authentication and analytics, boosting classroom engagement by 40%.
- Optimized UI/UX for teachers and students, driving a 30% increase in user retention during pilot testing.
- Won 1st place at the Technology Student Association State Competition out of 50+ teams in all of NJ.

myBaymax   Apr 2023
Web Speech API, HTML, CSS, JS, TensorFlow.js, Teachable Machine
- Built a virtual health assistant leveraging ML-based audio recognition and Web Speech, improving accessibility for diverse users.
- Enhanced interactivity with voice controls and responsive visual feedback, creating an engaging healthcare companion.
- Awarded 2nd place at HackMCST among 30+ competing AI projects.

AISL (AI Applied to Sign Language)   Apr 2022
TensorFlow.js, Computer Vision, HTML, JS, Speech Synthesis
- Created a real-time ASL recognition and audio translation system with TensorFlow.js and computer vision, bridging communication between ASL and non-ASL users.
- Delivered 85% accurate translation performance, improving accessibility for hearing-impaired communities.
- Achieved 2nd place at HackMCST for accessibility-focused innovation.

MCST Bus Locator   Oct 2021-Jun 2022
HTML, CSS, JS
- Developed a GPS-enabled bus locator using Firebase and Google APIs, improving school transportation efficiency by 50%.
- Automated routing and scheduling, cutting planning time by 60% and maintaining adoption across the entire district and county.