

Abhishek Kr Singh

Full Stack Developer

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PROJECTS

>_Sign Learn

Nov 2024 – Jan 2025

- Developed an AI-powered sign language learning platform with real-time gesture recognition (90%+ accuracy) using Python, TensorFlow, and OpenCV to assist deaf and mute individuals in Hindi, English, and Gujarati.
- Built a full-stack web application using Flask, HTML, CSS, and JavaScript, enabling interactive teacher-student sessions and reducing gesture recognition latency from 500ms to 120ms.
- **Tools and Technologies:** Python, Machine Learning, TensorFlow, HTML, CSS, JavaScript, Bootstrap, MySQL, Git.

>_Mind Loom

Aug 2024 – Oct 2024

- Designed and created an AI-powered chatbot that analyzes user emotions and delivers real-time mental wellness support, boosting user engagement by 40%.
- Engineered and optimized a deep learning model for emotion detection, enhancing sentiment accuracy to 85% using NLP and neural networks.
- **Tools and Technologies:** Python, Machine Learning (TensorFlow), Natural Language Processing (NLP), HTML, CSS, JavaScript.

>_Wealth Flow

Jan 2024 – March 2024

- Engineered a stock trading platform enabling users to buy, sell, and track real-time stock performance, processing 100+ transactions per second with a secure authentication system.
- Enhanced an interactive dashboard with React.js and Chart.js, reducing data load time by 40% and enhancing user experience with real-time market insights.
- **Implemented** a scalable backend using Node.js, Express.js, and MongoDB, integrating third-party financial APIs for accurate stock data and ensuring 99.9% uptime and HTML and CSS for the front end.

EXPERIENCE

Android Developer

Google for Developers

April 2024 – June 2024

- **Developed** and **enhanced** Android applications using **Java & XML**, enhancing app performance by **30%** and ensuring seamless UI/UX with **Material Design principles**.
- **Integrated** RESTful APIs and Firebase for **real-time data sync**, leveraging **IntelliJ IDEA** to debug and improve efficiency, reducing app crashes by **40%**.

Software Engineer Intern

INTERNSHALA Training

June 2023 – August 2023

- **Programmed and elevated** full-stack web applications, improving backend response time by **40% using Node.js, Express.js, and MongoDB**.
- **Implemented and designed** adaptive frontend interfaces using **React.js, HTML, CSS, and Bootstrap**, enhancing user engagement by **30%**.

SKILLS

- **Programming Languages:** Java, Python, JavaScript
- **Web Development:** HTML, CSS, React.js, Node.js, Express.js, Redux, Bootstrap, Tailwind
- **Backend & Databases:** Spring Boot, MongoDB, SQL, NoSQL, MySQL, REST APIs
- **Version Control & Tools:** Git, GitHub
- **Soft Skills:** Communication, Teamwork

EDUCATION

B.Tech in Information Technology

Noida Institute of Engineering and Technology

2022 – 2026

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Management Systems

ACHIEVEMENTS

SIH (Smart India Hackathon) 2024

- Top 16 Finalists in Smart India Hackathon (SIH) 2024 for developing an AI-powered Sign Language Learning Platform, showcasing innovative solutions skills and technical expertise to help deaf and mute individuals learn via real-time hand gesture recognition in Hindi, English, and Gujarati.

Competitive Programming

- Solved **400+ problems** on **Leet Code & Geeks for Geeks**, focusing on **DSA, algorithms, and system design**.