

Kiranjeet Kour

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PROFILE SUMMARY

Results-driven full-stack software engineer with proven expertise in designing, developing, and deploying scalable web applications and AI-powered systems. Adept at collaborating across frontend, backend, and machine learning workflows to deliver robust, high-performance solutions. Experienced in leading projects from concept to production, optimizing operational efficiency, and driving innovation in fast-paced environments.

TECHNICAL SKILLS

Web Development

Node.js React Next.js
Prisma MongoDB PostgreSQL
Docker

App Development

React Native Node.js
MongoDB PostgreSQL

AI & ML

Python Scikit-learn Generative AI (RAG) Model Fine-tuning

LANGUAGES

English Punjabi Hindi

SOFT SKILLS

Team Leadership Communication

EDUCATION

10th – Percentage 91% from Guru Harkrishan Public School

12th – Percentage 70% from NIOS

Diploma – Govt. Polytechnic for Women-Jammu [2021–2024]

B-Tech – Guru Nanak Dev Engineering & Technical College [2024–Present]

ADDITIONAL TRAINING

Computer Application – 1 Year [2018-2019] – Pride Institute of Jammu

Basic Typing Program – 6 Months [2019] – Pride Institute of Jammu

Training Program – MIOT (Mechatronics Internet of Things) – Govt. Polytechnic Jammu [Dec/2023]

WORK EXPERIENCE

Training and Placement Cell, GNDEC, Ludhiana: Software Engineer (Nov 2025 – Present)

Developing and maintaining scalable web applications supporting placement operations for thousands of students. Built systems for student data management, company drives, registrations, and announcements while collaborating with coordinators to ensure secure access and reliable data flow.

Mohey Innovations: Software Engineer (Nov 2024 – Aug 2025)

Worked in a fast-paced startup environment handling full-stack development and deployment. Built frontend interfaces, backend APIs, and owned features end-to-end with a focus on performance, scalability, and maintainable code.

RD Group of Industries: Software Engineer (Jul 2024 – Sep 2024)

Delivered full-stack features under tight deadlines. Collaborated with team members to integrate frontend and backend systems while strengthening problem-solving, teamwork, and professional communication skills.

Voltsec.io: Junior Software Engineer (Apr 2024 – Jul 2024)

Gained hands-on experience working on real-world projects. Assisted with development tasks, documentation, and agile workflows while building a strong foundation in software engineering practices.

PROJECTS

Training and Placement (TNP) Website

Nov 2025 – Present

tnpgndec.com

Key Features:

- Centralized platform for managing all placement-related activities of the institute
- Real-time updates on company visits, placement drives, eligibility criteria, schedules, and results
- Secure role-based access for authorized TNP coordinators
- Coordinators can post new notices and update announcements securely
- Students can view official placement announcements, register for drives, and track eligibility/schedules
- Supports a large user base of 5,000+ students
- Ensures accurate, timely, and reliable information flow
- Improves transparency and communication between TNP cell and students

- User-friendly and streamlined interface for easy navigation

Technical Skills: React, Node.js, MongoDB, REST APIs

InfoCascade

Oct 2025 – Present

infocascade.onrender.com

Key Features:

- Centralized digital notice board for GNDEC
- Delivers real-time academic and institutional updates
- Covers notices related to examinations, results, fees, events, and official announcements
- Ensures students never miss critical information
- Built to scale with a growing community of 800+ active users
- Reliable and efficient communication system for the campus
- Simple and intuitive UI for quick access to notices
- Optimized for daily usage as more students join the platform

Technical Skills: Next.js, Tailwind CSS, MongoDB

TyperHouse 0.2 (Phase 2)

Nov 2025 – Feb 2026

typerhouse.tech

Key Features:

- Live deployment on a new domain: typerhouse.tech
- Modern UI with interactive 3D visuals
- Machine Learning-powered typing insights: analyzes recent typing patterns, predicts next 5 mistakes, recommends improvements
- Focuses on improving typing accuracy proactively
- Combines AI usage with typing speed improvement
- Real-time group typing mode: compete with friends live
- Smart analytics for typing speed and accuracy trends
- Full-stack, production-ready architecture
- Scalable deployment using Docker
- Tech Highlights: 3D models (Blender), Interactive UI (React Three Fiber), Full-stack (Next.js), Database (MongoDB), ML models (Python)

Technical Skills: Next.js, MongoDB, Python, Scikit-learn, Docker, Machine Learning

TyperHouse (Phase 1)

Jun 2025 – Oct 2025

typerhouse.tech

Key Features:

- First live phase of a real-time multiplayer typing game
- Google authentication using NextAuth
- Room-based multiplayer system: create rooms, join via unique codes
- Live multiplayer typing test experience
- Dynamic paragraph generation based on test duration
- Real-time WPM tracking for each participant

- Visual feedback for incorrect words and accuracy improvement
- Automatic game start when 2+ players join
- Designed for performance, real-time interaction, and scalability

Technical Skills: Next.js, NextAuth, Socket.IO, Tailwind CSS