

AYUSH KAPOOR

Malahri, Indora, Kangra, 176401, Himachal Pradesh, India

☎ +91-8626805949 ✉ ayushkempire@gmail.com 🔗 [linkedin.com/in/ayushkempire](https://www.linkedin.com/in/ayushkempire) 🐙 github.com/ayushkempire

Education

Lovely Professional University

Master of Computer Applications (CGPA: 8.67)

Aug 2023 – Jun 2025

Phagwara, India

Government College

Bachelor of Computer Applications (CGPA: 8.14)

Aug 2020 – Jun 2023

Dharamshala, India

Experience

Centre for Artificial Intelligence and Robotics (CAIR), IIT Mandi

March 2026 – Present

Backend Developer

Himachal Pradesh, India

- Developed a full-stack, multi-tenant EdTech platform for students and teachers (Classes 6–12).
- Built scalable backend using Node.js, TypeScript, Express, and PostgreSQL (Knex ORM).
- Implemented JWT-based authentication and role-based access control (RBAC) for secure multi-role access.
- Designed RESTful APIs for teacher, student, and school profile management.
- Engineered a self-assessment engine with adaptive evaluation and XP-based gamification tracking.
- Worked on frontend using Next.js 14, TypeScript, TailwindCSS, and Radix UI.
- Built role-based dashboards and integrated AI Tutor chatbot, Concept Explorer, and Quiz Generator.
- Collaborated with ML microservices for adaptive learning and intelligent recommendations.

Projects

GyanSetu - AI powered EdTech Platform | Next.js 14, Node.js, TypeScript, PostgreSQL

Mar 2026 – Present

- Developed a multi-tenant EdTech platform with role-based dashboards for students, teachers, and admins.
- Implemented JWT authentication, RBAC, and RESTful APIs for scalable backend architecture.
- Built features like AI Tutor, Quiz Generator, and adaptive self-assessment system.
- Integrated ML microservices for personalized learning experiences.

Invitable India | Next.js, PostgreSQL, Cloudinary, Resend, Razorpay

Sep 2025 – Oct 2025

- Developed a full-stack solution with user authentication, product catalog, and shopping cart functionality.
- Implemented responsive UI using Radix UI components and TailwindCSS for seamless user experience.
- Integrated secure payment processing and order management with real-time inventory tracking.
- Live Link

IndoEurope Travels | React.js, Node.js, Express.js, MongoDB, Firebase Auth, Razorpay

Jul 2025 – Sep 2025

- Built a travel booking platform enabling seamless tour discovery, reservations, and secure payments.
- Developed dashboards for users and admins to manage bookings and itineraries efficiently.
- Implemented authentication and real-time data handling for scalable performance.
- Live Link

Auditorium Booking Management System | HTML, CSS, JavaScript, PHP, MySQL

Oct 2024 – Nov 2024

- Developed a role-based booking system with separate dashboards for users and administrators.
- Enabled booking requests, approvals, and schedule management through RBAC.
- Implemented real-time availability tracking and secure data handling.

Spotify Clone | HTML, CSS, JavaScript

Jun 2024 – Jul 2024

- Developed an interactive music streaming interface with playback controls and playlists.
- Designed responsive UI with smooth navigation and engaging user experience.
- Enabled seamless audio playback and persistent user interactions.
- Live Link

Technical Skills

Programming Languages: C/C++, Java (Basic), Python (Basic), JavaScript, Kotlin (Basic)

Frontend Technologies: HTML, CSS, React.js, Next.js

Backend Technologies: Node.js, Express.js, PHP

Databases: MongoDB, PostgreSQL, MySQL, MS Access

Frameworks: TailwindCSS, Bootstrap, .NET

AI/ML: ANN (DNN, CNN, RNN)

Testing: Automation Testing, Manual Testing

Developer Tools: Git, Google Cloud Platform, VS Code, Xcode, Android Studio, Selenium, Eclipse

Platforms: Windows, MacOS, Linux (RedHat)

Other Skills: Communication, Leadership, Creativity