

## Nahid Azad

MCKV Institute of Engineering  
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[Portfolio](#) [LinkedIn](#) [GitHub](#) [Twitter](#)



Aspiring to join a reputed organization as a Web Developer, skilled in frontend and backend development, committed to learning and delivering quality solutions, eager to grow while contributing to organizational success.

## ACADEMIC DETAILS

Pursuing B.Tech in Computer Science & Engineering (2022-2026) from MCKV Institute of Engineering under MAKAUT. Presently in 7th semester, with a YGPA of 9.26.

Examination	University	Institute	Year	CPI/%
High School	Indian School Certificate	Julien Day School	2022	73
Secondary School	Indian Certificate of Secondary Education	Julien Day School	2020	86.2

## TRAINING & INTERNSHIP DETAILS

### Full Stack Web Development Training ---- [Globsyn Finishing School](#)

- Developed HomeAssist, a full-stack service provider web app built with React, MySQL featuring **2+** core services with secure **JWT auth**.
- Engineered **RESTful APIs** and optimized state in React, cutting UI bugs by **40%** using Tailwind CSS.
- Implemented seamless signup/login/logout and booking system, handling multiple simulated bookings.

### Edunet Foundation AICTE Internship ----- 18th June 2025 to 30th July 2025([Completion Letter](#))

- Chosen from 1000+ applicants across India for this AICTE-Edunet initiative.
- Built an **Employee Salary Prediction Model** with **94%** Accuracy.
- Trained and optimized a ML model using supervised Linear Regression.
- Achieved **<10%** Mean Absolute Error (MAE) on test data close to industry benchmark.

## PROJECTS

### MERN Stack Chat App ---- [GitHub](#) | [Texts](#)

- Migrated my full stack chat application from JavaScript to TypeScript, integrating two-way communication with real-time messaging for over **100+** concurrent users with **SocketIO** integration.
- Engineered secure authentication and authorization flows, protecting user data for **20+** registered accounts with **JWT** based session management and encrypted routes.
- Automated **CI/CD** deployment to Render.com, streamlining build and release cycles to under **5 minutes**.
- Strongly-typed code with apt comments, reducing onboarding time for new developers by **30%**.

### Body Fitness Web App ---- [GitHub](#) | [Limitless](#)

- Built a responsive fitness web app using React, HTML, and Material UI with **40+** exercise categories.
- Integrated **RapidAPI** to fetch **1000+** exercises with GIFs, filters, and detailed information.
- Added real-time YouTube suggestions via third-party API with **<200ms** average fetch time; achieved **88+, 96, 93 Lighthouse scores** for performance, accessibility, and responsiveness respectively.

### Gesture Recognition Game ---- [GitHub](#)

- Developed a real-time, gesture-controlled game using **MediaPipe Hand Tracking** to process **30+ FPS** live video.
- Implemented collision logic with a **25-pixel radius** target, tracking Index Finger Tip for responsive interaction.
- Utilized **OpenCV** to render the game state and achieve seamless **Human-Computer Interaction (HCI)**.

## TECHNICAL SKILLS

**Languages** (Java, JavaScript, TypeScript), **Frontend Web Development** (HTML, CSS, ReactJS, Tailwind CSS), **Backend Web Development** (Express, NodeJS, Docker), **Databases** (MySQL, MongoDB), **Tools** (IntelliJ IDEA, Microsoft VSCode, Git, GitHub, Jupyter Note-book, Canva).

## **EXTRA/CO-CURRICULAR ACTIVITIES**

- Adobe India Hackathon 2025
- Smart India Hackathon.
- Captained the Inter College Basketball Team.
- Organizer of student run start-up event in college.

## **FIELDS OF INTEREST**

Web Development, DBMS, DSA

## **HOBBIES**

Games, Formula One Enthusiast (Currently building a web app for F1 analytics)

## **PERSONAL DOSSIER**

- Father's Name: Nasim Azad
- Mother's Name: Shirin Akhtar
- Permanent Address: Margram, Birbhum-700202, West Bengal, India
- Date of Birth: 03-03-2004
- Nationality: Indian
- Gender: Male
- Marital Status: Single
- Languages Known: English, Hindi, Bengali

## **REFERENCES**

- Asish Bose — Assistant Professor, Department of Basic Science and Humanities,  
MCKV Institute of Engineering.  
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I hereby declare that the above information is true to the best of my knowledge.

Place: Kolkata

Date: May 11, 2025

*Nahid Azad*

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