ADESH MEENA

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electronic Engineering IIT (BHU), Varanasi	7.09	2026
BSER (XII)	NIRMAL HAPPY SR SS M NAGAR,HINDAUN(KARAULI)	88.60	2022
CBSE (X)	ANAND VIDHYA MANDIR BHARATPUR	84.20	2020

SKILLS

Languages: C++, C, Python, HTML, CSS
Libraries: OpenCV, Mediapipe
Area of Interest: Competitive Programming, Data Structure and Algorithim, Web Development
Soft Skills : Critical Thinking, Creativity, Problem-Solving, Debugging Skills, Team Work. Decision Making.

INTERNSHIP/TRAINING

Software Development Intern | Bluestock Fintech   May 2025 – Jun 2025

IPO Web Application & REST API Development

- Developed a production-ready **IPO (Initial Public Offering)** web application along with a secure **REST API.**
- Designed and implemented features including company **listings, IPO details and price bands.**
- Built a scalable backend using **Python (Django, Django REST Framework) with PostgreSQL** for data management.
- Integrated a responsive frontend with **Bootstrap 5 and JavaScript** for smooth user interaction and experience.
- Established a **two-tier workflow,** secure REST API for data services + client-facing IPO dashboard.
- Managed team progress using **Notion, GitHub, and Figma,** ensuring smooth collaboration and UI/UX alignment.

PROJECTS

PREPO|AI-Powered Career Preparation Platform

- Built a full-stack **AI platform for career preparation** and application material creation, serving *100+ active users*.
- Integrated **Gemini Generative Model** for AI-powered resume building, tailored cover letter drafting, and mock quizzes with 10+ auto-generated, resume-based quiz questions plus personalized review tips.
- Implemented secure **JWT authentication with Clerk** to enable personalized user journeys and protect sensitive data.
- Designed a **scalable backend** with **Prisma ORM and Neon** (PostgreSQL) to manage users data and history.
- Automated weekly industry insights via **Inngest** functions, integrating Gemini API for *real-time updates*.
- Deployed on **Vercel** with a responsive UI using **Tailwind CSS and Shadcn UI** for smooth cross-device experience.
- **Exposure:** Next.js, Tailwind CSS, Shadcn UI, Prisma, NeonDB, Inngest, Gemini AI, Clerk.

Intelligent Othello Game Simulator

- Developed IntelliOthello, an AI agent using **k-step look-ahead** and **MiniMax** for strategic move selection.
- Implemented **α-β pruning** to optimize the search tree, reducing extra computations and improving evaluation speed.
- Designed a **scoring function** to evaluate board states and simulate intelligent opponent behavior via *Max-Min layers*.
- Built a *full-game simulator* managing player moves and determining the winner from game progression.
- **Exposure:** C++, Object-Oriented Design, Game Trees, Recursion, 2D Arrays, Search Algorithms

Hand Gesture Controlled DC Motor

- Developed a gesture-controlled system using **Python, Mediapipe, and OpenCV** for real-time detection.
- Added child-hand safety detection and ensured reliable **Bluetooth communication with Arduino.**
- Enabled intelligent device operation through **gesture-based** commands ensuring **safety and efficiency.**
- **Exposure:** Python, OpenCV, Mediapipe, Arduino, Bluetooth, Embedded Systems

POSITION OF RESPONSIBILITY

- **Events Head, Spardha'24 (IIT BHU)**: Led Events & Operations team at India's largest Games & Sports Festival.
- **SCS Induction Mentor (2023–24)**: Mentored first-year students, ensuring smooth onboarding.
- **Events & Operations Executive, Spardha'23 (IIT BHU)**: Managed events and interacted with participants.

HONOURS AND ACHIEVEMENTS

- Solved **450+ coding problems on LeetCode**, strengthening skills in algorithms and data structures.
- Won **Gold Medal in Powerlifting (83+ kg) at Spardha'24,** the annual Sports Festival of IIT (BHU) Varanasi.
- **Completed PS 1 of Digisim'24:** Designed a digital circuit for the Data Encryption Standard algorithm.

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