

Ashok Kaji

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EDUCATION

Indian Institute of Information Technology, Lucknow
B.Tech. in Computer Science

Lucknow, India
Aug 2023 – Jun 2027 (Expected)

Jawahar Navodaya Vidyalaya, Muzaffarpur (Bihar)
Central Board of Secondary Education (CBSE)

Muzaffarpur, Bihar

PROJECTS

AI Face Recognition Attendance System

- Developed an AI-powered attendance system to automate attendance using real-time face recognition and computer vision techniques.
- Implemented face detection and recognition pipelines using OpenCV and Haar Cascade classifiers with optimized image preprocessing.
- Designed secure RESTful APIs using FastAPI and integrated MongoDB to manage users, facial encodings, and attendance records.
- Containerized the backend using Docker and deployed it on Railway, ensuring scalable, reproducible, and production-ready deployment.
- Optimized system reliability by handling edge cases such as unregistered faces, duplicate entries, and failed recognition attempts.
- Tech Stack: Python, FastAPI, OpenCV, Computer Vision, MongoDB, Docker, REST APIs. [Link](#)

Internship Task Tracker – Full Stack Web Application

- Built a full-stack task management platform to help interns and students efficiently organize, track, and prioritize daily tasks.
- Implemented authentication, session handling, and role-based access control for secure and personalized task management.
- Developed complete CRUD functionality with task deadlines, priority levels, overdue detection, and dashboard analytics.
- Enhanced usability with a responsive UI, dark mode support, and advanced task filtering for improved user experience.
- Designed the system with modular architecture to ensure scalability, maintainability, and easy feature expansion.
- Tech Stack: HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, REST APIs. [Link](#)

Personal Portfolio Website

- Designed and developed a responsive personal portfolio to professionally showcase projects, technical skills, and achievements.
- Focused on clean UI/UX design with intuitive navigation, mobile responsiveness, and performance optimization.
- Integrated detailed project descriptions, technology stacks, and external links to GitHub repositories and live demos.
- Deployed the website using modern hosting platforms to ensure fast load times and global accessibility.
- Structured content strategically to highlight academic background, leadership roles, and competitive programming progress.
- Tech Stack: HTML, CSS, JavaScript. [Link](#)

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, JavaScript
- **AI / ML & Computer Vision:** OpenCV, Face Recognition, Haar Cascades, Image Processing
- **Backend Development:** FastAPI, Node.js, Express.js, RESTful APIs
- **Frontend Development:** HTML5, CSS3, JavaScript, Bootstrap
- **Database:** MongoDB, MongoDB Atlas
- **DevOps & Tools:** Docker, Git, GitHub, Railway, Render, Netlify
- **Core Concepts:** Data Structures & Algorithms, MVC Architecture, CRUD Operations

ACHIEVEMENTS

- Secured **Global Rank 887** in **CodeChef Starters 219** among 2,338+ contestants. [Contest Link](#)
- Secured **Global Rank 899** in **CodeChef Starters 218** among 2,924+ contestants. [Contest Link](#)
- Secured **Global Rank 1181** in **CodeChef Starters 216** among 18,596+ contestants. [Contest Link](#)
- Secured **Global Rank 1453** in **CodeChef Starters 217** among 3,040+ contestants. [Contest Link](#)
- Secured **Global Rank 1504** in **LeetCode Biweekly Contest 173** among 30,000+ contestants. [Contest Link](#)
- Recognized as a **Performer in Logic League – Week 5**, organized by **Tech-A-Thon (ARSD College, University of Delhi)**, for demonstrating strong logical reasoning and problem-solving skills. [View Certificate](#)

POSITIONS OF RESPONSIBILITY

- **Club Coordinator – Ethic Craft Club, IIIT Lucknow**
 - Led a student club focused on ethics, spirituality, and holistic student well-being within the campus.
 - Mentored **120+ students** and organized **25+ club sessions**, including discussions, workshops, and guided activities.
 - Planned and executed events end-to-end, handling scheduling, coordination, participation tracking, and feedback collection.
 - Collaborated with faculty mentors and core team members to ensure consistent engagement and smooth execution of sessions.
- **NCC Cadet Captain – 2 Bihar Battalion, JNV Muzaffarpur**
 - Served as NCC Cadet Captain during secondary education, demonstrating discipline, responsibility, and command.
 - Led NCC cadet teams of **120+ cadets**, coordinating drills, parades, physical training, and ceremonial practices.
 - Selected for the prestigious **26th January Republic Day Parade training camp** held in Muzaffarpur, Bihar.
 - Assisted instructors in maintaining discipline, attendance, and operational readiness during official NCC activities.
- **Senior Member – Eifer, Sports Society, IIIT Lucknow**
 - Senior member of the institute sports society, representing IIIT Lucknow in competitive sporting events.
 - Participated in the **Inter-IIIT Sports Competition held at IIIT Allahabad**, contributing to team preparation and coordination.
 - Part of the football team that **won the Inter-IIIT Football Finals 2024**, demonstrating teamwork and competitive excellence.

RELEVANT COURSEWORK

Operating Systems, Computer Networks, Database Management Systems, Object-Oriented Programming , Data Structures, Software Engineering