

# Chandan Verma

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## EDUCATION

Amity University Kolkata, Kolkata, West Bengal

2020-2024

Degree: Bachelor of Technology | Major: Computer Science and Engineering | CGPA: 7.13

## PROFESSIONAL EXPERIENCE

ARC Document Solutions

Kolkata, West Bengal

Automation Engineer Intern

June 2024 - Nov 2024

- Reduced manual testing workload by 90% by automating test scripts using Java and a legacy framework.
  - Managed and maintained live UK domain website for **6 months**.
  - Actively participated in **Agile Scrum** (SDLC) methodology with team to give outstanding results.
- [Tools used: Selenium, Git, ClickUp, BitBucket, Jenkins, IntelliJ IDEA, VMware, Cucumber, Gherkin]

CherChe,

Kolkata, West Bengal

Full Stack Development Intern

Aug 2023 – Jan 2024

- Contributed to developing MERN stack applications with responsive UIs using Tailwind CSS.
  - Built and optimized scalable backend APIs and integrated frontend components. Maintained and documented software functionality.
- [Tech stack: MERN, Tailwind CSS]

## PERSONAL PROJECTS

Personal Website, [www.chandanverma.tech](http://www.chandanverma.tech) (for additional information and projects)

E-commerce Platform, Full Stack Development | MERN Stack

- Built a full-stack e-commerce platform using Next.js, Tailwind CSS, ShadCN, Aceternity UI, and MERN stack.
- Implemented user authentication (OAuth, JWT), cart management, wishlists, and Razorpay payment integration.
- Hosted the backend on AWS for scalability and performance optimization.

Banana Type, Real-time multiplayer typing challenge

- Developed a live multiplayer typing competition app using Next.js and WebSockets for real-time interactions.
- Implemented secure user authentication, dynamic leaderboards, and competitive typing arenas.

Pothole and Driver Drowsiness Detection System, Machine Learning Project

- Developed a Pothole and Driver Drowsiness Detection System using Open CV and dlib.
- The system enhances road safety by detecting potholes and signs of driver drowsiness.

Movie Recommendation System, Data Analysis Project

- Built a movie recommendation system using collaborative filtering for personalized suggestions.
- Processed and analyzed large-scale datasets of movie ratings and reviews to train the model.

## SKILLS

**Programming Languages:** Java, Python, JavaScript, TypeScript, C++, C, SQL.

**Frontend:** React.js, Next.js, Tailwind CSS, ShadCN, Aceternity UI, Bootstrap, HTML/CSS.

**Backend & Databases:** Node.js, Express.js, Spring Boot, MongoDB, Prisma, REST APIs, WebSockets, OAuth (Google, GitHub), JWT, Session Management.

**Tools & DevOps:** Git, Postman, Docker, Jenkins, CI/CD, AWS, Bitbucket, IntelliJ IDEA, Jupyter Notebooks, ClickUp, Cloud, Linux.

**Core CS Concepts:** Data Structures & Algorithms (DSA), System Design, Operating Systems (OS), Computer Networks (CN), Database Management Systems (DBMS), Problem Solving

## ACTIVITIES AND LEADERSHIP

IT and Tech Club AUK (Amity University Kolkata) , Position: Admin

Aug 2021– June 2024

- Organized tech events, seminars, and Hackathons, promoting skill showcase and learning about the latest IT industry trends.
- Fostered a collaborative club of tech-enthusiasts, encouraging idea exchange and group formations for goal achievement.