

# MANTU KUMAR

Mohali, Punjab

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## Career Objective

Aspiring Software Engineer / Full Stack Developer skilled in DSA, MERN stack, and database management. Experienced in building scalable applications, REST APIs, JWT/OAuth2 authentication, and performance optimization. Seeking to contribute technical expertise and teamwork to deliver impactful solutions.

## Education

### Chandigarh University

BE in Computer Science and Engineering, CGPA: 7.65

2022 – 2026

Mohali, Punjab

### S.N.S College (BSEB)

Intermediate, 76.8%

2018 – 2020

Motihari, Bihar

### Utkrmit Madhymik School (BSEB)

Matriculation, 63%

2017 – 2018

Hiramani, Bihar

## Projects

**HireUNex – Job Portal** | *React.js, Node.js, Express, MongoDB, Clerk* | [Live Dashboard](#)

Feb 2025 - Jun 2025

- Developed a job portal platform for job listings, applications, and dashboards.
- Improved application tracking efficiency by **30% for 50+ test users**.
- Implemented **role-based authentication with Clerk** and secure **REST APIs**.

**interviewUNex–AI Interview Assistant** | *Next.js, Supabase, Stripe, OpenRouter* | [Live Dashboard](#) Jun 2025 - Sep 2025

- Built a **credit-based AI interview assistant** with user & admin dashboards.
- Designed **reusable React components**, optimized performance by **25%**.
- Integrated **Stripe** for payments and **Supabase** for real-time data storage.

**Jaiswal-Mart - E-Commerce Platform** | *Java, Spring Boot, AWS Cloud Services* | [Live Dashboard](#) Mar 2024 - Jul 2024

- Built a **full-stack e-commerce system** with product management, cart, order flow, and secure **user authentication**.
- Integrated **AWS S3** for image storage & **AWS RDS** for **MySQL**, improving scalability and reliability.
- Deployed on **AWS Elastic Beanstalk**, enabling fast, production-ready cloud hosting.

## Technical Skills

**Programming Languages:** C++, Java, JavaScript, SQL

**Frontend Development:** HTML, CSS, TailwindCSS, React.js, Next.js

**Backend Development:** Node.js, Express.js, Spring, Spring Boot, REST APIs

**Database Management:** MongoDB, MySQL, Hibernate ORM

**Core CS:** Data Structures & Algorithms, DBMS, OOPs

**Software Development Practices:** Agile Methodology, SDLC, CI/CD, Jenkins

**Tools & Platforms:** AWS, VS Code, Postman, Version Control

## Certifications

- Data Structures and Algorithms – Infosys Springboard. [View Credential](#)
- Introduction to Databases – Coursera. [View Credential](#)
- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional – Oracle. [View Credential](#)
- Software Engineer Intern (HackerRank Certification) – HackerRank. [View Credential](#)

## Research & Publications

- Sentiment Analysis for NexaCart E-Commerce, co-authored and presented at **ITIDS-2024**, June 2025. [\[View Paper\]](#)  
Explores opinion mining on e-commerce customer feedback to improve product insights and user satisfaction.

## Achievements & Extracurricular

Solved 500+ problems on **LeetCode**, improving **algorithms** and **data structures**. [\[Click here\]](#)  
Completed a **Social Internship** (Jun–Jul 2023), contributing to community service initiatives.