

# Amandeep Singh

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## EDUCATION

### CHANDIGARH UNIVERSITY

B-Eng in Computer Science

August 2023 - June 2027

Mohali, Punjab

Cum. GPA: 8.64 / 10.0

### NATIONAL DEFENCE ACADEMY

Indian Army Officer Cadet

December 2022 - June 2023

Khadakwasla, Pune

## LINKS

Github: [singh-aman23](#)

LeetCode: [singh-aman23](#)

LinkedIn: [singh-aman23](#)

## CERTIFICATIONS

- Microsoft Certified: Azure Data Fundamentals (DP-900) – Microsoft
- AI for Entrepreneurship – Intel Technology India Pvt. Ltd
- Data Visualization with Python – IBM / Coursera

## SKILLS

### PROGRAMMING

Programming Languages:

Java (4000+ LOC), JavaScript (2000+ LOC), C/C++, Python

Web Technologies:

HTML5, CSS3, React.js, Next.js

Backend:

Node.js, RESTful APIs, Express.js

Databases:

MongoDB, MySQL

Tools & Platforms:

Git/GitHub, Vercel, Postman, JWT, CI/CD pipelines

## COURSEWORK

Data Structures and Algorithms

Object Oriented Programming

Operating System

DBMS

Computer Networks

## PROJECTS

### RENTBUDY | REACT.JS, NEXT.JS (API ROUTES), MONGODB, VERCEL

Roommate-finding platform with real-time listings and authentication features.

Live Demo | Github

- Developed a **full-stack** roommate-finder web app allowing users to post listings and connect with potential roommates.
- Built **responsive UI** using React.js and CSS, optimized for mobile and desktop.
- Implemented **JWT-based authentication** with secure route handling and session management.
- Designed **RESTful API architecture** using Next.js with MongoDB for data persistence.
- **Deployed** on Vercel with CI/CD setup, achieving **99.9 % uptime** and **sub-100ms response time**.
- Used by over **100 mock users**, architecture designed to scale for **1,000+ concurrent users**.

### RECIPE ROVER | REACT.JS, NEXT.JS, MONGODB, VERCEL

Social platform for users to discover and share recipes globally.

Live Demo | Github

- Built a **global recipe-sharing platform** supporting user-contributed content and browsing.
- Integrated **authentication** and **authorization** for content submission and profile management.
- Designed **modular UI components** for recipe listing, filtering, and upload.
- Developed **scalable backend** using **RESTful APIs** with Next.js and MongoDB.
- Successfully tested with over **200 recipes**, backend structured for **future feature expansion** (e.g., likes, comments, user profiles).

## ACHIEVEMENTS

- Scored **895/1000** in Microsoft Certified: Azure Data Fundamentals (DP-900) Exam
- **All India Rank 75**, NDA-I (2022), selected through UPSC and Services Selection Board
- **Top 65 out of 600+ teams**, Tekathon 3.0 – Smart India Hackathon qualifier, Chandigarh University