

# PRATEEK BANSAL

SDE - Backend Engineer ( 2.5+ yoe )

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## EXPERIENCE

### SDE - Backend Engineer

#### Skud

📅 July 2022 – Present

- Contract Service
  - Redesigned business APIs, cutting response time by **96% (from 25+ seconds to under 1 second)**.
  - Optimized performance by reducing database and inter-service calls, implementing **Redis caching**, and transitioning **time-intensive processes to asynchronous execution**.
  - Developed a **fail-safe retry mechanism** for asynchronous processes.
  - Modernized codebase: upgraded Mongoose, and added Prettier and ESLint for better maintainability.
  - Introduced features that significantly streamlined customer onboarding.
- Integrations Mapper Service
  - Designed a **database-driven, generic API system** for streamlined integration.
  - Build a **recursive function** that dynamically converts inputs into desired objects based on predefined mappings
- Asset Management Service
  - Built a microservice from scratch for **company-wide asset management** using NestJS, GraphQL, TypeORM, and PostgreSQL.

### Backend Intern

#### Oysters

(LOR)

📅 October 2020 – November 2020

- Platform for selling courses
  - Collaborated in a team of 4 to integrate backend APIs.
  - Developed a module for exporting JSON data to Excel and CSV formats.
  - Implemented a Certificate Generator module.

## EDUCATION

Guru Tegh Bahadur Institute Of Technology  
Bachelor's in Technology, Computer Science

📅 July 2022

Percentage      83.5

Maharaja Agrasen Model School

📅 April 2018

Class XII      Percentage-95  
Class X      CGPA-10/10

## PROJECTS

### Code-Connect



- Developed the platform for **Online Technical inter-views**.
- Real-Time Video/Audio chat** with **Collaborative Code Editor**.
- WebRTC** and **PeerJs** libraries for Peer-to-peer connections.

### Who-Pay-Who



- One stop solution for bill splitting.
- Minimum no of transactions** while settling the accounts
- Implemented **minimizing cash flow algorithm**

## SKILLS

Javascript

NodeJs

Express

NestJS

GraphQL

Kafka

MySQL

Data Structures

Algorithms

Git

SOLID

Leadership

## ACHIEVEMENTS

- Customer First Award** (Skud)
  - Received the Essential Core Value Award for consistently delivering “Customer First” solutions, and **reduced open critical issues to single digits** through effective issue management as part of the support team.
- Bug Bash Award** (Skud)
  - Winner of the bug bash event (found the most number of bugs and vulnerabilities in our platform)
- Finished among **top-5 teams in HackGujrat** out of 350+ team
  - Build **Code-connect** in HackGujrat hackathon in just 32 hours.

## OTHER ACTIVITIES

- Created a REPO which has solutions for **450+ important questions of DSA** .
- 750+ stars , 250+ forks** on this **REPO**