# PRATEEK BANSAL

SDE - Backend Engineer (2.5+ yoe)

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### **EXPERIENCE**

### **SDE - Backend Engineer**

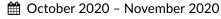
#### Skuad

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 interservice 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**

Oyesters (LOR)



- 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.
  - o 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

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

### **PROJECTS**

#### **Code-Connect**

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

#### Who-Pay-Who

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

## **SKILLS**



## **ACHIEVEMENTS**

- Customer First Award (Skuad)
  - 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 (Skuad)
  - 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