

# TUSHAR GAHLAUT

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## WORK EXPERIENCE

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### Software Development Engineer - IndiGo (InterGlobe Aviation Ltd)

July 2023 - Present

- Developed **6Eskai**, IndiGo's GPT-4 Based Chatbot, by using **React.js** and implemented real-time response streaming, also worked on features such as Flight Selection and Payment Gateway Redirection.
- Integrated **Navitaire** APIs and **Microservices** on 6Eskai for various features like Ticket Booking, Flight Search, Plan B Integration etc using **Python FastAPI**.
- Optimised server performance by implementing **Redis Caching**, reducing database queries and enhancing response speeds on IndiGo's Staff Leisure Travel platform and 6Eskai.
- Used **Microsoft Azure AI Services** to develop GPT-powered chatbots at IndiGo, also worked on **Semantic Search, Retrieval Augmented Generation** for building their Knowledge Base.
- Implemented high code coverage Test Suites using **JUnit, Mockito** for SCA Tools like **SonarQube** for APIs built using **Java Spring Framework (Spring Web, Data JPA, Security etc)**.

### Frontend Tech Consultant - Kurage (Internship)

August 2022 - January 2023

- Built Frontend for MORF and SKG websites using **Next.js**, implemented state management using **Redux Toolkit** and Google Auth for secure Authentication.
- Integrated APIs using **Apollo GraphQL** for fetching Product Details, handling File Uploads, User authentication etc.

## EDUCATION

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**Bachelor of Technology in Computer Science and Engineering**  
Guru Gobind Singh Indraprastha University, New Delhi, **CGPA : 9.1**

2019 - 2023

## PROJECTS

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- **Trade Vibes** ([Link](#))  
**Technologies Used:** MERN Stack, Redis, Cloudinary, Typescript, Shadcn/ui, Docker, Openshift.  
An online platform for discussing stock market trends and sharing investment knowledge. Did integration of APIs from NSE India website for Nifty 50 data and Redis for caching.
- **TalkSpot** ([Link](#))  
**Technologies Used:** NextJS, Redux Toolkit, NodeJS, ExpressJS, MongoDB, Socket.io  
A real time chat website which allows users to create 1-1 and group chat rooms to send/receive messages.

## TECHNICAL SKILLS

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**Programming Languages:** C++, Javascript, Typescript, Java, Python  
**Frameworks/Libraries:** ReactJs, NodeJs, Apollo GraphQL, FastAPI, Jest, Spring Framework (Springboot, Spring Data JPA, Spring Security), JUnit, Mockito  
**Databases:** MongoDB, Azure CosmosDB, MySQL, PostgreSQL, Redis, Azure Blob Storage  
**DevOps and Cloud:** Microsoft Azure, Docker, CI/CD Pipelines, Tekton, OpenShift, GitHub Actions  
**Message Brokers:** Kafka, AMQ Streams  
**API and Development Tools:** REST, GraphQL, Visual Studio Code, Postman, GitHub, PyCharm, CoPilot  
**Core CS Subjects:** Data Structures and Algorithms, OS, Computer Networks, DBMS, OOPs

## EXTRACURRICULAR ACTIVITIES

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- Smart India Hackathon 2022 National Finalist - Developed a platform to bring together multiple programming resources for students. ([Certificate](#))