

Krish Thakrar

Linkedin: <https://www.linkedin.com/in/krish-thakrar-a93144236/>

Email: krishthakrar018@gmail.com

Mobile: +91 8080713213

[Codeforces](#) | [Codechef](#) | [CSES](#) | [LeetCode](#) | [Github](#)

EDUCATION

Indian Institute of Information Technology, Pune

December, 2021 - June, 2025

Bachelor of Technology in Computer Science and Engineering (8.91 CGPA)

Pune, India

EXPERIENCE

Gupshup Technology India Pvt. Ltd.

May, 2024 - Present

Software Development Engineer Intern

Remote

- Developed **Update Integration Org API** & **Get Templates API** for both **Self Serve** & **Enterprise Channels** using **NestJS** and **TypeScript** to manage organizations and their channel-related operations efficiently. Handled efficient **encryption** and **decryption** of **API key** and **password** in the channel field.
- Created & Executed **Node.js** script to **update callback URLs** for **Self Serve** and **Enterprise Channels** for **Hubspot Application Data** within the **Firebase** using API calls through **axios**.
- Implemented **Node.js** migration scripts to seamlessly transfer **Hubspot CRM** application data from **Firebase** to **MongoDB**, ensuring data integrity and consistency.
- Developed **Unit Testing Scripts** for **Gupshup Integration-Org & Self-Serve-Channel APIs**' controllers and services using **Jest** to ensure code reliability and performance.
- Tech : **NodeJS, NestJS, Jest, MongoDB, Typescript**

PROJECTS

RIDE-CRYPT | *NextJS, ReactJS, Solidity, EtherJS, Hardhat, Mapbox API, Metamask, Polygon, Remix IDE*

- Developed a decentralized ride-sharing platform leveraging **Ethereum** blockchain and **Solidity Smart Contracts**, seamlessly integrated with **Mapbox Geofencing API** for automated and secure payment integration.
- Utilized **Ethereum Layer 2 solutions** with **Polygon** to boost transaction speed from **15 TPS** to **7000 TPS** and reduce transaction costs by up to **20 times**.
- Implemented Javascript scripts to integrate smart contract functionality with the application using **Infura API** & **EtherJS** ensuring a smooth user experience.

QUICK-CHAT | *Typescript, Socket.io, Redis, Kafka, PostgreSQL*

- Crafted a cutting-edge, high-performance chat application, facilitating seamless concurrent interactions for a vast and diverse user base.
- Leveraged **Redis Pub/Sub** mechanism hosted on **Aiven Cloud** to orchestrate cross-server real-time chat functionalities, augmenting scalability and responsiveness.
- Engineered integration with **Kafka** to optimize PostgreSQL write operations, yielding a remarkable **75%** reduction in load, thereby guaranteeing uninterrupted service delivery even under extreme usage spikes.

SOUNDPROOF-AI | *NextJS, ReactJS, MongoDB, Python, Flask, Librosa*

- Created a Deepfake AI-Generated Voice Detection System which classifies the audio with an accuracy of **98.574%** using **Random Forest Classifier** with **50 estimators**.
- Users can upload audio files to test for classification, which undergoes through feature extraction using **Librosa**. Employed **K-Fold Cross Validation** resulting in **20%** reduction in overfitting.
- Engineered a secure and responsive web application with **ReactJS/NextJS** frontend, **Flask** backend & defined user data in **MongoDB Atlas**.

SKILLS

- **Languages:** C++, Python, SQL ,Javascript.
- **Tools:** MySQL, NextJS, ExpressJS, NodeJS, ReactJS, Flask, MongoDB, Github, Postman.
- **Course Work :** Data Structures & Algorithms, Database Management Systems, Object-Oriented Programming, Operating Systems.
- **Skills:** Web Development, API Development (REST APIs) & Deployment.

ACHIEVEMENTS

- Attained **Specialist** status (**1554 - Top 2.37% of 640000+ global participants**) on [Codeforces](#)
- Reached **Knight** level (**2101 - Top 1.74% of 420000+ participants**) on [Leetcode](#)
- Achieved **4-star** rating (**1845 - Top 1.87% of 200000+ participants**) on [Codechef](#)
- Placed **195th** in Codechef Starters 115 (Div 2) (out of 21000+ participants globally)
- Secured a **Global rank of 87 (AIR 14)** in Leetcode Biweekly Contest 118 (out of 16000+ participants).
- Secured a rank under **8** among **70+** teams in the West Zone Regionals of GeeksForGeeks Google Cloud & AMD Solve for India Hackathon 2023 & Qualified for **Level 2 (Semi-Finals)** of Flipkart Grid 5.0.