

Shubham Gupta

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Education

Illinois Institute of Technology

Chicago, USA

Master of Computer Science

(GPA 3.70)

Aug 2023 - May 2025

Rajiv Gandhi Institute of Technology

Mumbai, India

Bachelor of Engineering in Computer Engineering (GPA 3.75)

Aug 2019 - June 2023

Technical Skills

Languages: C/C++, JavaScript, TypeScript, Java, Python, Dart, HTML5, CSS, MySQL

Frameworks/Libraries: Flutter, Node.js, React.js

Developer Tools: Git, Github, Linux, Firebase, MongoDB, Google Cloud Platform, AWS, HTTPs, REST APIs

Concepts: Data Structures and Algorithms, Object Oriented Design, Agile Methodologies, CI/CD, DevOps

Soft Skills: Verbal and written communication skills, Teamwork, Critical thinking, Time management

Experience

Software Developer Intern

Sep 2021 – March 2022

Ombre ([Play Store/App Store](#)) — Flutter, React.js, Firebase, Node.js, AWS, Docker

- Remote

- Engineered and **scaled** an automated workflow to expedite the **productivity** of back-end team by **more than 35%**.
- Implemented** and **Tested** Share event on Instagram feature into the **Android and iOS** application that led to 18% **surge** in user engagement and 7% **increase** in unique users.
- Built **high-impact functionalities** like Auto-approve, User-Deletion, Dashboard, Share Events, **designed** and **deployed APIs** using Amazon EC2 instances and Firebase Cloud functions for the **next million users**.
- Optimized** database queries, reducing query costs by **4 times** through the seamless migration of diverse user-media collections (audios, videos, user highlights, etc).

Full Stack Developer Intern

March 2021 – June 2021

Quloi ([Link](#)) — React.js, MongoDB, HTML, CSS, Jira, JavaScript

- Remote

- By applying changes to the existing code-base and utilizing Redux State Management, the site's **efficiency** was **boosted** by over 15%.
- Streamlined** new features like reporting shipments, validations, **search feature** leveraging Elasticsearch reducing retrieval time by 30% and reduced component re-rendering.
- Integrated **more than 7+ REST APIs** for website by creating a data model to parse data for the client side.
- Remodeled the Dashboard UI and handled critical issues by revamping and debugging the codebase which **enhanced** user satisfaction.

Projects

Cyber Tip-Off System - [Link](#) — React.js, MongoDB, Firebase, Django, Node.js..

- Programmed** a web-based crime-reporting platform that facilitates **anonymous** tips submission to the nearest police authorities which helps to mitigate crime rates.
- Developed **APIs** to facilitate communication and maintaining reports, also **incorporated** OTP authentication and features like transfer tips, to-do list, trust-score etc.
- Crafted** real-time **push notifications** via cloud messaging, ensuring quick alerts to officials for rapid response.
- Conceptualized** varied **metrics** like trust scores, total reports, location-wise statistics, categories, etc, and visualizing data to provide informative insights for **informed decision-making**.
- Collaborated** closely with police authorities to gain insights into investigative procedures, which significantly improved the system's design and was recognized for the creativity of the project idea by HOD.

College Feedback System — React.js, JavaScript, Firebase, HTML, CSS..

- Pioneered** a feedback system for college empowering management to seamlessly collect feedback.
- Feedback responses were **amplified** by 150% within a semester, facilitating resolution of critical issues for faculty.
- Introduced graph analytics for the feedbacks that aided authorities in making better decisions.

Covid-19 Tracker - [Link](#) — React.js, Material-UI, JavaScript, Firebase, HTML, CSS..

- Devised** website which tracks the impact of **COVID-19** in India and across Globe utilizing Open Disease API.
- Incorporated data **filtering** features to get analyzed insights using Material-UI, React-leaflet, chart.js.
- Employed an array of technologies such as **React.js, Firebase** for database and fetching data from an API.

Competitive Achievements

- * Secured prestigious **1st Prize** for best paper from a **competitive** pool of over 500+ participants on a pan-India scale
- * **Global rank #412** and **College rank #1** out of **10000+ contenders** in **Codechef** January Challenge 2020.
- * Finalist in RGIT Recursion Troubleshooting **Hackathon** among more than 115+ teams across India
- * **National rank #11** in a **Codechef** contest held by our college with participants all over India. ([Link](#))