

Soham Ghige

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Education

Degree	Institute/Board	CGPA/Percentage	Year
BS-MS Economics	Indian Institute of Technology, Roorkee	8.42	Oct. 2021 - Apr. 2026
Senior Secondary	Maharashtra HSC Board	92.4%	Apr. 2019 - May 2021
Secondary	Maharashtra SSC Board	90%	Apr. 2013 - Mar. 2019

Technical skills

Languages: Java, Typescript, Python, C++, Javascript, Linux, HTML/CSS, Rust
Databases: MongoDB (NoSQL), Postgress(SQL), FirebaseDB, Pinecone(VectorDB)
Frameworks: React, Next.js, Vue.js, Express, Node.js, Django, Spring Boot
Software Packages: Git, Github, Pandas, NumPy, TensorFlow, Docker, Redis, RabbitMQ
Deployment & Cloud Services: DigitalOcean, Vercel, AWS

Experience

Indian Institute of Technology Roorkee | *Django Developer* Oct. 2024 - Nov. 2024

- Worked on a **microservices architecture** leveraging Django and Django REST Framework (DRF) for developing RESTful APIs.
- Focused on testing and debugging microservices built using **Django REST Framework (DRF)**, with asynchronous task handling via **Celery workers** and message brokering using **RabbitMQ/Redis**.
- Identified and resolved bugs** in the codebase, contributing to fault tolerant and more efficient service modules.

Projects

Sylva | *React, Django, MongoDB, Axios, Firebase* | [\[GitHub\]](#) [\[Link\]](#)

- Built an equity investments advisory site using **React** and **Django** where user can create their risk profile by answering some questions upon sign up and get **portfolio for equity investments**.
- Implemented **Google OAuth token** based authentication, users can create profile by signing up with their google account
- Effectively utilized **MongoDB** for efficient data storage, and integrated **Django Caching** for efficient data fetching.
- Backend implemented in Django using concepts from finance and mathematics, such as Markowitz optimization, random matrix theory.

Storm | *React, NodeJs, Web Sockets, KonvaJs* | [\[GitHub\]](#) [\[Link\]](#)

- A online **whiteboard tool** that allows users to create digital drawings, shapes and visualizations
- Users can **collaborate** with other users by creating sessions, implemented with **web sockets**.
- Users can save their work on cloud or locally in JSON format

Quill | *React, Express, MongoDB, Web Sockets* | [\[GitHub\]](#) [\[Link\]](#)

- Developed responsive a Social Media Site using **React** and **Express** where users can create and customize their profiles, can follow others profiles .
- Implemented **Private Messaging System** using **Web Sockets**, users can send private messages and media to each other
- Implemented **Feed and Paging system**, users can post text, images, links and get posts from their followers in the feed.

Positions of Responsibility & Extra Curricular

Manager | *Placement and Internship cell IIT Roorkee* Oct. 2022 - Dec. 2023

- Coordinated communication between the college and various companies to facilitate the placement and internship process.
- Organized and managed testing and interview schedules, to ensure for smooth and efficient selection process.
- Invited companies to participate in the placement and internship programs, conducting outreach and follow-up calls to build and maintain relationships.