Abhinav Kumar

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WEBSITE LINKS

Github: https://github.com/abhinavkrin

Website: https://avitechlab.com

LinkedIn: https://linkedin.com/in/abhinavkrin

EDUCATION

Heritage Institute of Technology, Kolkata — B.Tech. in Information Technology

Aug 2019 - July 2023, Average GPA of 8.91

EXPERIENCES

Mid Fullstack Enginner — January 2024 - present

RocketChat

- Enhance the main chat room functionality of RocketChat, optimizing user interaction and performance.
- Improving live chat features
- Identify and fix security vulnerabilities to maintain high standards of data protection and system integrity.

Open Source Software Developer — May 2023 - Sept 2023

Google Summer of Code - RocketChat

- Collaborated in the development of packages to embed RocketChat channels into any application.
- Pioneered the separation of project components into packages using yarn workspaces (API, React, React Native, Auth, etc.).
- Revolutionized data communication by replacing HTTP calls with real-time DDP communication via WebSockets.
- Authored libraries for react-native, react, and more.
- Implemented advanced slash command support and introduced theming for client libraries.

Open Source Contributor — January 2022 - present

RocketChat

- Distinguished Project Maintainer of RocketChat/EmbeddedChat repository.
- Innovated RC4Community by developing authentication components utilizing Auth0, KeyCloak, Firebase, and various OAuth2 providers.
- Crafted full-stack components for the GSoC Community Hub and RC4Conferences, employing Node.js, React, bash scripting, and Strapi CMS.

Meshery

- Made vital contributions to the migration of the existing UI to utilize Redux for state management.

Founder & Full-stack developer — October 2020 - present

eSportsWeb.in

- Architected and designed the entire frontend of the web application using React.
- Orchestrated microservices for server-side logic using Node.js cloud functions.
- Seamlessly integrated payment gateways and engineered services for order processing and subscription management using cloud functions.

Software Engineer Intern — January 2023 - May 2023

Emitrr Inc.

- Engineered services automating the registration of customers' phone

SKILLS

- **Languages:** Javascript, Typescript, Java, C/C++, Python
- **Front-end:** React, React Native, Redux, NextJS, HTML, CSS, Sass
- **Back-end:** Node.js, Express, MongoDB, SQL
- **Tools**: Git, Github, Linux, Bash, Docker
- **Cloud**: Firebase, Google Cloud, AWS, Netlify, Vercel
- **Others:** RocketChat Apps

ACHIEVEMENTS

- Tournify.in: Grew to **150,000+ registered users** and **8+ million page views**, with **700,000+ tournaments created**.

- Tournify.in: **Ranks no. 1 on Google Search** for "esports points table maker" and on the first page for "best tournament manager"

- Tournify.in: Crosses **100,000+ downloads** on Play Store. https://play.google.com/store/apps/details?id=in.tournify.app

- eSportsWeb.in: Achieved **1500+ paid subscribers**.

- 1st on RocketChat's GSoC'23 contribution leaderboard

- Ranked 248th out of 9952 participants in HackerEarth's March Circuits '20.

COMMUNITY WORK & HOBBIES

- Active member of the Google Developers Student Club, HIT.

- Esteemed Open Source Contributor at Rocket.Chat and Meshery.

- Dedicated monthly donor at UNICEF India, contributing to the upliftment of underprivileged children.

- Enthusiast of Technology, Esports, Travel, and Video Games.

numbers with the campaign registry using Node.js, Postgresql, Bandwidth API, and React.
- Created a cutting-edge Customer Onboarding web application, reducing customer onboarding time to mere minutes.

Software Engineer Intern — July 2022 - January 2023

ByteLearn EdTech Pvt. Ltd.

- Spearheaded the development of highly interactive components, including graphs, charts, shapes, a floating math keyboard, and drag-n-drop inputs for an AI-based Chatbot using HTML5, CSS3, SVG, and React.JS.

Technical Lead — August 2021 - June 2022

Google Developer Students Club, HITK

- Orchestrated and hosted technical talks, fostering a culture of learning and innovation.

PROJECTS

Tournify.in — *A dynamic esports points table generator.*

Javascript | React | Express.js | MongoDB | Redux | Bootstrap | Firebase

- Developed a robust REST API using Express.js and MongoDB.
- Designed and implemented the frontend using React, reducing points table generation time from 30 minutes to 2-5 minutes.

Razorpay for RocketChat — *Razorpay integration for Rocket Chat.*

Typescript | RocketChat App Engine

- Created seamless integration with Razorpay for real-time payment updates.
- Developed custom slash commands, webhooks, settings, and role-based access control within the app.

EmbeddedChat@Rocket.chat —Embed a RocketChat channel on any website

Javascript | React

- Contributed as part of **Google Summer of Code 2023** Project. https://github.com/abhinavkrin/GSoC-RocketChat-2023

RC4Community@Rocket.chat — *React Components for community builders - **Open Source Contribution***

Javascript | React | NextJS | OAuth2 | Firebase | Keycloak | Auth0

- Engineered full-stack authentication components utilizing Firebase, Auth0, and Keycloak.

Hitknotice.netlify.app — *An app to show my college's notices*

Javascript | React | Firestore | Cheerio.js | Firebase Messaging

- Designed an app to scrape and display notices from the college's website.
- Implemented web push notifications and Telegram messages (via bot) for new announcements.