Aditya Suman

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EXPERIENCE

Byjus / Senior Software Engineer
August 2020 - Present, Bangalore

- Currently Working in **Byju's Exam Prep (BEP)** team and managing 2 juniors to deliver monthly product requirements.
- Worked in the **Subjective Assessment** team to revamp the platform, prepared LLD/HLD of SA SDK and SA Admin Panel's Frontend and set up their repo from scratch.
- Developed an **Annotate over image component**, worked on the Correction SDK and converted a monolith to frontend only project.
- Led 3 juniors to complete Print, Upload & Report SDK & Admin Portal.
- **Impact:**
  - Revamped **multiple portals** of Subjective Assessment to a **react npm package** (sdk) that our client can directly integrate in their system. This **saves** our **Frontend infra cost**, as instead of using infra for 5 different portals, we now have only 2.
  - Did **bundle splitting** for different components in the sdk, **deprioritized analytics/monitoring script**. Hence impacting user experience, rendering & network performance.
  - Worked on **Signup Flow Improvement** task in BEP which attempts to break the flow into mandatory & optional, reducing friction for users to complete the signup with minimum information.
- **Technologies:** JavaScript, React.js, Tailwind CSS, Next.js, Node.js, Redux, Redux-Saga, firebase, socket, vercel, etc

ISRO (ISTRAC) / Engineering Intern
May 2019 - July 2019, Bangalore

- Worked in **SDG Lab** to develop an Interface for monitoring and control of **MEOSAR.** Built **Web-Socket Client** in Android & Web App to connect to the **Web-Socket Server** simulator to extract real-time JSON coming from **satellites** into an interactive & functional dashboard.
- Added Push notification feature to notify **monitoring team** of new **beacon alert**, when the app is minimized or closed**.**
- **Impact:** Monitoring team now have an interactive dashboard and also they get notification in their mobile of a new beacon alert.
- **Technologies**: Android Studio, Java, JavaScript, jQuery, Web-Socket

Upbringo / App Development Intern
April 2020 - June 2020, Remote

- Worked as an **App Developer** to add features like **QR based Attendance**, **Offline first**, Billing Module, Homework Module, etc in the existing App.
- **Technologies**: React Native, Node.js, GraphQL, MySQL

EDUCATION

Indian Institute of Technology Patna (IIT Patna) / B.Tech
July 2016 - July 2020, Patna

PROJECTS

Image Annotate React NPM Package / January 2023

Secure PDF Viewer React NPM Package / August 2023

Pomodoro Web App / September 2023

Notes Web App & Chrome Extension / December 2022

Gate Security Mobile App IITP / Dr. Mayank Agrawal & Dr. Jimson Mathew

Text Editor Theme Profile React NPM Package / April 2020

Chat Web App / 2021

SKILLS

- **Programming Language & Database:** JavaScript, typeScript, Java, MySQL, mongoDB
- **Web & App Technologies:** React.js, Redux, Redux-Saga, Next.js, Node.js, Tailwind CSS, React-Native, jQuery, Web Socket, Firebase, HTML, CSS

ACHIEVEMENTS

- **Byjus:** Subjective Assessment Revamp **saved** our **infra cost** by almost **50%** and Signup Flow Improvement in BEP **increased** the chance of signup by **40%.**
- **Internship at ISRO:** Received LOR and Ranked among top **2% interns** worked under **S. Santhalakshmi, Scientist 'SF' & Manager SDG,** ISTRAC-ISRO
- **Gate Security App IIT Patna:** Got **Media Coverage** of the project, its functionality and impact of the App specially during **covid** in 2 newspapers. **2 million+** total scans and 3000+ unique scans have been reported till date.
- **Automation IIT Patna:** Assigned back-to-back **12 projects** from Dr. Mayank Agrawal, **PIC Automation**, in a duration of **6 months**, January - June 2020.
- **Professors of IIT Patna:** Got LOR from Dr. Jimson Mathew**, Head of Department** and Letter of Appreciation from Dr. Mayank Agrawal, Assistant Professor, **CSE Dept IIT Patna**
- **B.Tech Project:** Graded **9/10** in my B.Tech project (BTP) and got positive feedback from my project guide.
- **JEE Main:** Secured **99.17 percentile** out of 12,07,058 candidates appeared in JEE Main 2016.