

# Arnab Deep

arnabdeep.in

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## EDUCATION

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- **SRM Institute of Science and Technology**

*Bachelor of Technology in Computer Science & Engineering;*

Kattankulathur, Chennai, India

*June 2018 – May 2022*

## EXPERIENCE

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- **Bajaj Finserv Health Limited**

*Software Engineer - I*

Pune, India

*July 2022 - Present*

- **File Upload:** Designed a highly versatile file-upload component with customizable constraints, image compression, and image cropping, which found application in four separate user journeys within a React Native application. This component effectively manages a daily traffic volume of over 5000 files.
- **Localization:** Implemented a budget-conscious localization solution to address a critical client requirement, enabling support for over 10 different locales across the website.
- **Performance:** Improved the loading speed of 20 screens to under 0.5 seconds and enhanced the performance of 8 web-pages elevating Lighthouse scores to 90+ resulting in reduced load time by 40%.
- **Unit Testing:** Enhanced code coverage in a React Native project from 0% to 34% and elevated coverage from 42% to 60% in a Next.js project through the creation of Jest unit test cases.
- **Monitoring:** Enhanced monitoring functionality by introducing real-time alerting for critical APIs and page crashes within Grafana, leading to a 31% improvement in journey uptimes.
- **Mentoring:** Guided and provided mentorship to 7 interns across various features, facilitating the development of optimized cross-platform user experiences.

*Software Engineer - Intern*

*Jan 2022 - June 2022*

- **Reimbursement:** Employed React Native and TypeScript to construct screens with impeccable designs, ensuring responsiveness, high performance, and accessibility. These screens effectively supported a daily influx of approximately 500 successful claims.
- **Enhancements:** Migrated the squad's codebase to TypeScript and enhanced code quality by reducing vulnerabilities and code-smells on sonarqube to 0.

## ACHIEVEMENTS

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- **Key Contributor Award:** Earned a key contributor recognition for successfully delivering three epics within a two-week timeframe, completely revamping the business logic and creating a new UI from the ground up.
- **Runner's Up @ HackCBS 3.0:** Secured the third-place award in a competition featuring participants from over 260 colleges and 2000 registrations. The recognition was earned for the development of "Aapka Apna HipHop", a contemporary web application featuring AI-powered rap generation.

## PROJECTS

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- **Project1:** Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.
- **Project2:** There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised words which don't look even slightly believable.

## PROGRAMMING SKILLS

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- **Languages:** JavaScript, TypeScript
- **Libraries/Framewroks:** React, ReactNative, NextJs, Redux, React-Query
- **Familiar with:** Python & Flask, Node & ExpressJS, Web Scraping, API Development, Java
- **Developer Tools:** VS Code, Chrome DevTools, Git, Github, Android Studio, XCode