

# Arnab Deep

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## EXPERIENCE

### Software Development Engineer

June 2022 – Present

*Bajaj Finserv Health Limited*

*Pune, India*

- Developed and optimized reusable file-upload components with customizable constraints, image compression, and cropping, streamlining the management of **over 8,000 health files daily**.
- Engineered a **cost-efficient localization** solution, enabling support for over **10 locales** on the website.
- Implemented manual **cache-busting** in a react app, ensuring users always received the latest updates and improving overall user experience.
- Optimized application efficiency by **reducing API calls by 50%** through React Query's stale time configuration, **decreasing backend resource usage** and eliminating redundant requests.
- Improved monitoring and reliability by integrating ELK, Google Analytics, and Microsoft Clarity, while introducing **real-time alerting** for critical APIs and page crashes in Grafana, resulting in a **40% reduction in page crashes and achieving 99% overall uptime**.
- Actively **mentored junior developers** fostering growth and ensuring code quality through **peer reviews**.

### Software Development Engineer Intern

Jan 2022 – June 2022

*Bajaj Finserv Health Limited*

*Pune, India*

- Implemented SonarQube Pipeline to transform code quality, **slashing code smells by 50%** and reducing **duplications from 25% to 2%**.
- Enhanced application performance by decreasing screen **load times to under 0.5 seconds across 25 screens**, delivering a more seamless user experience.
- Enhanced application security by **replacing base64 encoding with multipart file upload**.

## PROJECTS

### Memeories | *ReactJs, NodeJs, ExpressJs, MongoDB*

- Contemporary full-stack application designed to empower users to upload cherished memes. They have the option to contribute their treasured memories, which can then be shared within our expansive user community.

### Unofficial Geeks for Geeks API | *Python, Flask, BeautifulSoup*

- Developed a public API using Flask to fetch and serve GeeksForGeeks user profile data via **web scraping**.
- Exposed a clean **RESTful** endpoint for retrieving real-time stats like coding scores and problem-solving history.

## AWARDS & ACHIEVEMENTS

### Awards

- Sharp Shark Award:** Recognized for critical feature delivery and cross-team collaboration over a quarter.
- Key Contributor Award:** Recognized for delivering impactful features within a short timeframe.

### Unofficial Geeks For Geeks API | *Python, Flask, BeautifulSoup*

- Open-sourced project with **contributions from more than 5 developers**.
- Gained recognition on GitHub from developers, resulting in **50 stars on the platform**.

## TECHNICAL SKILLS

**Languages:** JavaScript, Typescript, HTML, CSS

**Libraries & Frameworks:** ReactJS, NextJS, Redux, React-query, ReactNative, Expo, Tailwind, Material-UI

**Familiar With:** Python, Flask, Node & ExpressJS, Web Scraping, API Development, Java

**Developer Tools:** Git, VS Code, Postman, Xcode, Android Studio, Azure Devops, Elastic Search (ELK), Microsoft Clarity, Google Analytics, SonarQube

## EDUCATION

### SRM Insitute of Science & Technology

Chennai, India

*Bachelor of Technology in Computer Science & Engineering*

*July 2018 – June 2022*