

# Ashish Dsa

## Lead Staff Software Engineer - Frontend & Mobile

I have a very strong sense of ownership and an attitude to get the job done, no matter what it takes.

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## WORK EXPERIENCE

### Lead Staff Software Engineer Hypersonix

08/2020 - Present

Bangalore | San Jose

AI driven realtime, predictive & prescriptive software for enterprises.  
e.g. Recommending the next burger at KFC.

- Architected the new web and mobile systems, achieving a massive 95% code sharing.
- Mentored a team of 21 developers to write concise, reusable and scalable code & follow design principles such as SOLID, KISS & DRY, increasing their productivity by 60%.
- Orchestrated the development of automation testing for the web and mobile systems, achieving 91% coverage.
- Implemented multiple microservices across the CI/CD infrastructure, bringing down the deployment time from 4 hours to 45 minutes.
- Overhauled the legacy mobile codebase to use React Native Web and Typescript, reducing bugs due to bad code by 99%.
- Technology Stack – React Native, React, Python, Jenkins, Git, Jira, AWS, WatermelonDB, Docker, Bitrise, Bugsnag and Appium.

### Senior Software Engineer Hiver

04/2019 - 08/2020

Bangalore | Palo Alto

Collaboration software that converts gmail into a helpdesk. e.g. Amazon customer support.

- Mobile – Architected and developed the mobile app, currently has 10,000+ users across iOS and Android.
- Web - Spearheaded the notifications project for Hiver Web, it has pushed 1,000,000+ notifications to-date.
- DevOps – Developed self-recovering docker containers on the cloud, reducing downtime by 90%.
- Platform – Worked on the sync engine to sync 10,000,000+ emails using Google Gmail API.
- Technology Stack – React Native, ReactJS, Python, Jenkins, Git, Jira, AWS, Kubernetes, Docker, RealmDB and GCP.

### Software Development Engineer TIAA | JP Morgan Chase

07/2018 - 04/2019

Mumbai | New York

Financial services for academic, research, medical, cultural and governmental fields.

- Developed Vehicle Routing & Allocation Algorithm (VRA2) currently used by 2000+ employees daily.
- Worked with the team that developed an Outlook Scheduling alternative which currently services over 1,000,000 customers yearly written in Java & Angular.

## EDUCATION

### Bachelor Of Engineering - Computer Science University Of Mumbai

## SKILLS

React Native

React

Javascript

Typescript

Python

Java

Angular

AWS, GCP

HTML, CSS

Git, Github, GitLab

Bitrise, Fastlane

iOS

Android

## PERSONAL PROJECTS

### Covid Vaccine Notification App (2021)

- Made an cross platform app using React Native Web to notify users whenever vaccines are available.
- Uses multiple tricks to update upto 2 hours faster than other apps such as Paytm.

### Drones For Disaster Assistance (2018)

- Developed an autonomous drone system for assistance that circumvents all current drone laws, all under 50\$ per drone.

### Google Captcha Breaker Bot (2016)

- Developed an automation bot that breaks Google CAPTCHA & posts affiliate links on websites, likes and flags content. Click Rate 1000+/day. Revenue ₹33000+/day.

## ACHIEVEMENTS

### Youngest Lead Staff Software Engineer (2021)

Among 120+ employees at Hypersonix.

### Fastest Promotion - Hiver (2020)

Fastest promotion to Senior Software Engineer in the 10+ year old history of Hiver.

### Top Performer - Hiver (2019)

Achieved the top performer of the year prize at Hiver.

### Final Year Project - Gold Medal (2018)

Team Leader. Best Project from over 100 projects. Won Rs. 50000.

### Codechef 6★ & Codeforces Master (2018)

Current highest competitive programming rating from my college.

### Top 5 - Smart India Hackathon (2017)

Team Leader. One of the top performers from over 40,000 participating colleges. Won Rs.25000.

## RESEARCH PAPERS

• Drones for assistance in emergency situations – WMVC 2018

• Vehicle Routing & Allocation Algorithm (VRA2) – TIAA Internal Research