

KUSH MISRA

Software Developer | ML Enthusiast

I'm a software engineer in [DEShaw India](#). These days, as part of DEShaw & Co., I work on javascript to build stupendous UI components in React, JS libraries to be used in node and full-stack performant applications. As an ML enthusiast, I keep trying my hand in building useful models and try to infuse them into web applications to develop intelligent and performant UI components.

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EDUCATION

Computer Science Engineering NSIT (Delhi, India)

08/2015 - Present

85.58% (9.3 CGPA) (DR 3)

12th Boards CBSE THE AIR FORCE SCHOOL

06/2014 - 04/2015

97.5%

WORK EXPERIENCE

Senior Member Technical DEShaw India Pvt Ltd

07/2019 - Present

As part of the web infrastructure team, I have worked on some core infrastructural components.

Achievements/Tasks

- Develop and maintain highly competitive JS & React standards that are used across the firm. We maintain all the necessary tools for other developers to build their applications from scratch till production.
- Develop highly performant and intelligent React UI Components.
- Develop tools and guides for developers to test their applications.
- Develop a couple of end-to-end full-stack applications, which are currently in production.

Research Intern

Multimodel Digital Media Analytics lab (MIDAS), IIIT Delhi

09/2018 - 07/2019

Achievements/Tasks

- I worked on accent conversion, music transcription and other multimedia projects under Dr. Rajiv Ratn Shah (rajivrtn@iiitd.ac.in)

Software Developer Intern

DEShaw India Pvt Ltd

05/2018 - 07/2018

Achievements/Tasks

- Worked on React, Redux, nodeJS, MongoDB, and other JS-based stacks, to develop an application for the firm from scratch. It automates the deployment process, post-deployment problem analyzing and fixing them.

Teaching Assistant

Coding Ninjas

12/2016 - 03/2017

Achievements/Tasks

- Taught Algorithms and Data Structures to a class of 50+ undergrad students majorly from college 1st, 2nd and 3rd year.

SKILLS

ReactJS

Redux

NodeJS

C++

Data Structure

JavaScript

MongoDB

Android

Python

PyTorch

Machine Learning

Typescript

PROJECTS

SCRIBBLE AND LEARN - Android [🔗](#)

- A fun game (android app) for kids which helps them to recognize different colours as they scribble with many illustrations. It is used in research work :- <https://onlinelibrary.wiley.com/doi/abs/10.1111/apa.14435>

MUSIC NOTES GENERATION (TRANSCRIPTION)- Python | PyTorch | Numpy

- This is a model which transfers music style. It can transform song from one instrument(eg piano) to another (eg guitar). It is based on Universal style transfer paper by FAIR. It has an encoder-decoder architecture.

Multimodal Analysis of Disaster Tweets [🔗](#)

- Worked under Dr. Rajiv Ratn Shan on a research project to analyse disaster tweets. We published a research paper for the same.

VIAAIR - Android Unity Vuforia Beacons AR [🔗](#)

- This is an app to provide a seamless travel experience to airplane travellers. It navigates users inside an airport and translates information board text into their native language. It uses AR and beacons.

RECOMMENDATIONS

Please refer recommendation section of <https://www.linkedin.com/in/kush-misra/>

ACHIEVEMENTS

Merit Scholarship holder of University (NSIT)

Consecutive merit scholarship holder for being amongst exemplary students of the division and having excellent academic performance.

JEE Mains - All India Rank 637

Secured rank 637 out of more than 12 lakh applicants.

JEE Advanced - All India Rank 4409

NDA + SSB(National Defence Academy+service selection board) AIR 1

Secured rank 1 in knnda-135 course merit list. NDA is the finest institute of Indian defence forces.

School Topper - The Air Force School (TAFS)

CBSE School Topper with 100% in chemistry.