

# ABHINAV GUPTA

## Software Engineer

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## EXPERIENCE

### Software Engineer

#### Lowe's India

📅 Jul 2020 – Present    📍 Bangalore

- Creating consumer facing UI for the purchase of Lowes' protection plans and for submitting online claims to redeem the benefits of protection plans, following React and redux best practices, working in a team of 5 in agile manner.
- Building an enterprise level messaging system to streamline the delivery of notifications to consumers through various channels (E-mail, push notifications etc) using Spring boot and kafka.

### Software Engineer Intern

#### Nvidia

📅 Jan 2020 – Jun 2020    📍 Pune

Implemented telemetry for the GeForceExperience and GeForceNow Applications using angular and typescript. Created visualizations for the telemetry data on kibana.

### Research Intern

#### IIT KGP

📅 May – Jul 2018/19    📍 Kharagpur

Developed an end to end system for "Cloud-based real-time monitoring and control of the defects in FSW process using Machine learning and Data analysis" for accurate quality prediction and control of samples under the guidance of Prof. S.K. Pal, IIT KGP.

## PROJECTS

### Visual Assistance System

📅 Oct 2019

Consists of a Captioning system and object detection model with TTS to provide feedback to the user. Implemented in python and hosted with flask.

### Image Captioning System

📅 Jun 2019

It was built using VGG16 CNN and LSTM RNN in keras, python. Beam search algorithm was implemented for better results.

### Video conferencing application in python

📅 Oct 2018

The application was based on sockets and multi-threading for transmitting data from one PC to another over LAN Acquisition was done using openCV and pyaudio and flask was used to host the application.

*"Software Engineer having experience in front-end and back-end development with decent knowledge of Data Structures and Algorithms and high adaptability to new technologies"*

## TECHNICAL SKILLS

Programming & Algorithms

Frontend Development

Backend Development

Machine Learning & Data Analysis

Deep Learning

Image Processing

IOT

Embedded Systems

## TECH STACK

### Languages

Javascript & Typescript

Java

Python

C++

SQL

### Frameworks

React

Redux

Spring Boot

Keras

Tensorflow

Angular

Kafka

### Tools

Jenkins

Spinnaker

Observepoint

## EDUCATION

B.E in Electronics and Communication Engg.

#### BIT Mesra

📅 July 2016 – June 2020

CGPA – 8.15

## EXTRACURRICULARS

Exploring tech.

Learning new skills

Anime

Thriller short stories

Hitting gym

## OTHER SIDE-PROJECTS

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- American Sign Language translator for digits
- Speech controlled robot with LPC
- Robot maneuvering system with Image processing & MATLAB
- Automation projects with micro-controller, sensors & wireless modules
- Shuttlecock Throwing robot for ABU Robocon (2018)