

# Ankush Malik

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## ABOUT ME

Hi, I am a self taught developer. I love to solve problems that affect people. At the end of day, I want my work to be my mark, to a certain extent. Fear I have is that if I look back 5-6 years from now and see a career that's — mediocre.

I want my work to be something which would make me really, really proud of myself and feel like an impact. I love to experiment and like to learn new things. I am hardworking, agile and very adaptive.

## EDUCATION

### B.TECH IN COMPUTER SCIENCE GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

2015–2019 | New Delhi, India.  
Cum. GPA: 7.6

## LINKS

GitHub://AnkushMalik  
LinkedIn://ankushmalik  
Stackoverflow://5129516  
Twitter://iamankushmalik

## LANGUAGES

English (Fluent)  
Hindi (Mother tongue)

## SKILLS

### PROGRAMMING

Java • Ruby • Python

### WEB

HTML/CSS • JavaScript/jQuery  
Materializecss • Ruby on Rails  
Flask • Node • Chrome ext  
Reactjs • React Hooks  
DB used: postgresql, mysql, mongo, Firebase

### AI

• openCV • Pytorch • numpy  
• tfrc • sklearn • ANN/CNN • keras

### Others

Git • Unity3D • Linux

## EXPERIENCE

### ISRO | TRAINEE RESEARCHER, SPACE APPLICATION CENTER MAR 2019 - PRESENT | Ahmedabad

- Neural Architecture Search for Semantic Segmentation.
- LSTM based NDVI prediction.
- N-shot Learning.

### OPENSUSE | GOOGLE SUMMER OF CODE INTERN, HackWeek MAR 2018 - AUG 2018 | Germany

- Improve people collaboration in the Hackweek tool
- Change post rendering algorithm such that every post has equal chances of getting views from users.
- created Notification feature(backend + frontend) and mailing notifications to relevant users.

### CODING BLOCKS | TEACHING ASSISTANT, Unity 3D Jun 2018 - Jul 2018 | New Delhi

- Helped the Lecturer in day to day activities.
- Handled student's doubts and taught them topics which they weren't able to grasp during class.

### PECUL | COFOUNDER AUG 2017 - MAR 2018 | New Delhi

- Stand Alone created fullstack web application and deployed it to Amazon aws EC2 instance.

## RESEARCH & PROJECTS

### BODH | PYTHON, PYTORCH, GDAL, JQUERY, FLASK

A smart web application which uses N(samples)-shot learning for classifying without using Siamese Network.

A web application which is used to create ML model by a user without writing any single line of code. Accuracy achieved around 96-99%.

### FILEBRATE | RUBY, RAILS5

A drop box clone

Created A cloud storage app where I implemented tree structured file system.

### TETRIS | REACTJS, HOOKS

A Retro Tetris game made in Reactjs using React Hooks

### NAS FOR SEMANTIC SEGMENTATION | PYTHON, PYTORCH, UNET, DARTS(arXiv:1806.09055)

Finding best neural architecture for Semantic Segmentation of Satellite Images

two upcoming Research papers.

Real World problem solved: ISRO will be able save Millions of dollars every year by automation of image segmentation process.