

# Sunchit Sharma

SENIOR SOFTWARE ENGINEER (RESEARCH) · SAMSUNG RESEARCH INSTITUTE BANGALORE

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## Experience

### Samsung Research Institute Bangalore

Bengaluru, India

SENIOR SOFTWARE ENGINEER - RESEARCH

July 2019 – Present

- **Open Source Contributions** in LF-Edge Home Edge Orchestration Platform
- **Open Source Contributions** in Samsung On-device Neural Engine
- Working on Samsung's I.O.T framework in the 'Home automation' domain.
- Designed and prepared working Demos for Samsung in **IOT Solutions World Congress 2019, Barcelona**
- Designed and prepared working Demos for Home Edge Team in **Samsung Open Source Conference 2019, Korea**
- Received **spot award** for contributions in Samsung's Machine Learning platform and for **Key contributions in various International Demos.**

### Samsung Research Institute Bangalore

Bengaluru, India

RESEARCH INTERN

May 2018 – July 2018

- Developing voice intelligent applications that are cross platform and capable on providing various services like common voice assistants depending on the host.

### International Institute of Information Technology, Hyderabad

Hyderabad, India

TEACHING ASSISTANT

Aug 2018 – Present

- **CSE563 : Internals of Application Servers : Under Prof. Ramesh Loganathan**
- **CSE603 : Advanced Problem Solving : Under Prof. Venkatesh Choppella, Prof Vikram Pudi**

### R.W.X Technologies

Roorkee, India

STUDENT RESEARCHER

June 2016 – July 2016

- Made a project on Laughter and Emotion Detection in people with Speaking and Hearing Disabilities.

## Education

### International Institute of Information Technology, Hyderabad

CGPA : 8.68

M.TECH IN COMPUTER SCIENCE AND ENGINEERING

Grad. May 2019

### College of Engineering, Roorkee

Percentage : 76.3 %

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

Grad. May 2017

### St. Joseph's Academy, Dehradun

X - 90 %, XII - 90.25 %

SCHOOLING

Grad. May 2013

## Projects

### Sensor Based distributed monitoring platform.

JAVA, BASH, VAGRANT, DOCKER, RABBITMQ, MLABS

- The platform is a fully distributed, fog and edge computing based platform where one can deploy multiple monitoring applications.

### AI-Edge based platform.

PYTHON, BASH, VAGRANT, DOCKER, RABBITMQ, TENSORFLOW

- A distributed platform that supports deployment of TensorFlow based AI Applications and supported all IOT features along with it.

### Goofy and Scrooge coins : Simple Crypto-currency systems.

PYTHON

- Goofy and Scrooge coins : Simple Crypto-currency systems.

### VI like text editor for Linux based Systems.

C, C++

- A Text editor for Linux with text and command handling capabilities.

### Splitwise Web-Application.

NODEJS, MONGODB, BOOTSTRAP

- A web application for splitting up and settling bills between people like the splitwise application.

## AI based Trip Planner Chat-bot.

PYTHON, NLP

- A Dynamic Trip planner Chat-bot which can be used to plan a trip right from suggestions to bookings.

## Awards & Leadership

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### ACADEMIC

- 2017 **Dean List, IIIT Hyderabad**, Dean's list awardee for academic excellence.
- 2017 **GATE, Percentile : 99.25**
- 2017 **IIIT-PGEE, AIR : 06**
- 2018 **UGC NET, Percentile : 99.72**
- 2018 **Dean List, IIIT Hyderabad**, Dean's list awardee for academic excellence.

### NON-ACADEMIC

- 2018 **Student Placement Coordinator**, Non Academic award for Work during 2018-19 IIIT Hyderabad Placements.
- 2017 **Cultural Committee Coordinator**, Coordinated 'Zion 2017', College of Engineering Roorkee's Annual Cultural Fest.

### CORPORATE

- 2020 **Samsung's Spot Award**, Contributions in Samsung's Machine Learning platform and for Key contributions in various International Demos.

## Skills

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<b>Programming</b>	C/C++, Python, Java, Bash, LaTeX
<b>Framework</b>	TensorFlow, NodeJS, Qt
<b>Database</b>	MongoDB, SQL, Mlabs
<b>Tools</b>	Git, Docker, Vagrant Adobe Photoshop & RabbitMQ

## Relevant Coursework

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- Distributed Systems
- Internals of Application Servers
- Distributing Trust & Blockchains
- Data Structures and Algorithms
- Advanced Problem Solving
- Natural Language Processing