

# Somya Gupta

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Portfolio Website:

[https://somya-portfolio.github.io/Somya\\_Gupta\\_Portfolio\\_Website/](https://somya-portfolio.github.io/Somya_Gupta_Portfolio_Website/)

## EDUCATION

**SRM Institute of Science and Technology**

**June 2021**

B.Tech in Electronics & Communication Engineering | CGPA: 9.09

## WORK EXPERIENCE

**Ford Motor Company**

**Software Engineer**

**Sept 2021 – Present**

- Implemented an automated metrics dashboard which reduced 50% of the time spent gathering metrics for all tools administered in the organization.
- Developed automation scripts using bash for the SonarQube tool, which downsized the support ticket count by 56%.
- Developing a documentation portal using Vue.JS, which the developers will use to learn and understand the tools.

**L&T Technology Services**

**Web Developer Intern**

**June 2021 – August 2021**

- Built a day-scheduling system using Python to organize the schedule of employees automatically.

**FYI Health**

**Product Developer**

**May 2020 – July 2020**

- Developed an automated temperature sensing and hand sanitization system as a safety measure against COVID-19. This system has been installed at approximately 80 schools and hotels all over India.

## PROJECTS

**Krsak – An app for farmers**

- A mobile application to help farmers in three ways. Firstly, to recommend better crops via AI. Secondly, to buy raw materials from nearby sellers; and thirdly, to sell their harvest directly to the consumers, thereby increasing a farmer's income by 40%.

**IoT-based Ozone Layer Depletion Parameter Monitoring System**

- This project aims to monitor the parameters that affect the ozone layer cost-effectively and efficiently. This is done by sending a monitoring device to the ozone layer and returning it safely using a parachute for reuse.

## RESEARCH PAPERS

**Automatic Threat Sensing and Monitoring System for Woman Safety – RAKSHAK**

- The project consists of an integrated safety system within a wearable jacket by incorporating piezoelectric and heart rate sensors, which register the frequency of bad touch and a woman's heart rate. An SMS, along with the location, is sent to a nearby police station.

**Pandemic Drone with Thermal Imaging and Crowd Monitoring System (DRISHYA)**

- This paper aims to identify COVID-19 infected suspects with a thermal camera, which can detect any suspect with a fever-like temperature. With such technology, no human intervention is needed in the field.

## SKILLS

- Machine Learning
- MERN Stack
- Java
- Python
- C++
- Android Development
- SQL
- Internet of things (IoT)

## CERTIFICATIONS

- Machine Learning Specialization
- Accelerated Computer Science Fundamentals
- HTML, CSS, and Javascript for Web Developer
- Advanced IoT Applications - NPTEL

## ACCOMPLISHMENTS

- Won the Best paper award at the 2nd International Springer Conference.
- Received third prize at "PROJECT DAY 2020" conducted by SRM, Ramapuram.
- Received a certificate of appreciation for delivering a project within the estimated time.

## LEADERSHIP + ACTIVITIES

- Conducted an IoT workshop with the DCD club for 50 undergrad students.
- Organized a workshop on IoT for 200 high school students in association with BOLT-X.
- Planned and organized events for "Elecxa2020", a national-level tech symposium at SRM University.