

# Somya Gupta

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## 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 time spent on collecting metrics for all tools administered in the organization.
- Developed automation scripts using bash for SonarQube tool which reduced the support ticket count by 56%.
- Developing a documentation website using VueJS which will be used by the developers to learn and understand about the tools.

**L&T Technology Services**

**Web Developer Intern**

**June 2021 – August 2021**

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

**FYI Health**

**Product Developer**

**May 2020 – July 2020**

- Developed an automated temperature sensing and hand sanitization system to tackle Covid19. This system has been installed at over 80 schools and hotels all over the country.

## PROJECTS

**Krsak – An app for farmers**

- A mobile application to help the 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 at monitoring the parameters that affect the ozone layer in a cost-effective and efficient manner. This is done by sending a monitoring device designed to the ozone layer and getting it back safely using a parachute for reuse purposes.

## 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 sensors like piezoelectric and heart rate sensors which could register the frequency of a bad touch along with the heart rate of a woman.

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

- This paper aims at monitoring social distancing and tracing COVID-19 infected suspects with the help of a thermal camera, which can detect any suspect with a fever-like temperature. With such technology least human intervention is required 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

## LEADERSHIP + ACTIVITIES

- Conducted an IoT workshop with 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.