

Somya Gupta

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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 on collecting metrics for all tools administered in the organization.
- Developed automation scripts using bash for the 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 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 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 at monitoring the parameters that affect the ozone layer in a cost-effective and efficient manner. This is done by sending a monitoring device 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 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, no 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 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.