

SOMYA GUPTA

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EDUCATION

New York University

M.S. in Computer Science | Relevant Coursework: Machine Learning, Big Data, Java

September 2023 - Present

SRM University

B.Tech in Electronics & Communication Engineering

July 2017 - May 2021

CGPA: 9.09

SKILLS

Programming Languages: C++ | Python | JavaScript | Java | Bash

Technologies: Machine Learning | SQL

Frameworks: Tailwind CSS | Scikit-Learn | Tensorflow | Hadoop | Agile

Tools: Git | GitHub | SonarQube | Postman

EXPERIENCE

Ford Motor Company, Chennai, India

Software Engineer

May 2023 – June 2023

- Managed the migration of **18k developers** from GitHub On-prem servers to GitHub Enterprise Cloud, aligning with Ford's mission to transition all applications to the cloud.
- Oversaw and ensured the seamless operation of the SonarQube tool servers and infrastructure for developers. Performed tool upgrade every **3 months**.

Junior Engineer

September 2021 – April 2023

- Created an **automated metrics dashboard** using **Python** 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 **68%**.

FYI Health, New Delhi, India

Product Developer Intern

May 2020 – July 2020

- Designed "FYI Health Post," an automated *temperature sensing, mask detection, and hand sanitizing system* using **Python** and **OpenCV** to facilitate safety measures against COVID-19.
- Installed the system in approximately **80 schools and hotels** all over India to uphold safety protocols against Covid.

PROJECTS

IoT-based Ozone Layer Depletion Parameter Monitoring System

- Engineered a low-cost, efficient and a reusable system that monitors the parameters that affect the ozone layer.
- The monitoring system is **81% cheaper** compared to present solutions. The system was coded in **C** language.

Automatic Threat Sensing and Monitoring System for Woman Safety - RAKSHAK | [Publication Link](#)

- Designed a state-of-the-art safety jacket that detects if a woman is in danger by incorporating sensors which registers the frequency of unusual physical contact and heart rate anomalies.
- If the system detects a threat an SMS, along with the location, is sent to a nearby police station thereby reducing the **search time by 76%**. The Safety system was written in **C** language.

Pandemic Drone with Thermal Imaging and Crowd Monitoring System (DRISHYA) | [Publication Link](#)

- Developed a drone consisting of a thermal camera that can identify people with a fever-like temperature as a safety measure against COVID-19.

LEADERSHIP ACTIVITIES

Software Engineer, Ford Motor Company

April 2023 – June 2023

- Headed the *GitHub Copilot POC* with **250 developers** at Ford Motor Company. Analyzed how GitHub Copilot improved the productivity of developers.

Technical Event Lead, SRM University

February 2020 – February 2020

- Managed and planned events for "Elecxa 2020", a national-level tech symposium at SRM University.

Event Manager, SRM University

January 2020– January 2020

- Conducted a workshop on IoT for **200 high school students** in association with BOLT-X.