

# SAKSHI GUPTA

+44 7909305829

sakshigupta341999@gmail.com

Sakshi Gupta

Sakshi-7699

## Education

### University of Birmingham

Sept 2023 - Sept 2024 (Expected)

Master of Science - Advanced Computer Science

### Savitribai Phule Pune University

Aug 2017 – Jul 2021

Bachelor of Engineering - Computer Engineering

GPA - 9.76/10

## Experience

### Credit Suisse | ENO 2 - Full stack Developer | Full-Time

Jul 2021 - Aug 2023

- Developed RAG Rating System to increase analyst productivity by monitoring workload and response time breaches
- Created a robust and reusable Orchestrator capable of seamless data polling from MongoDB or Kafka on need basis
- Optimized server overhead by developing Direct Acyclic Graph (DAG) system capable of performing dynamic workflows based on JSON inputs. The system was designed to be readily usable for any workflow
- Solely on-boarded the Smart Mail Manager System to openshift by creating Docker images and writing efficient Jenkins pipelines incorporating Helm charts for effective resource management in pods
- Developed Tax Extractor System that extracted text from W8/W9 forms of the clients using Natural Language Processing
- Authored scheduler-based REST APIs to achieve 100% automation for statistical report generation
- Automated data extraction using pdf-parser and Camelot to extract tables from lengthy pdf documents
- Facilitated towards development of cutting-edge, automated trade booking system using NLP and Naive Bayes Classifier boosting client adoption to 90%
- Tools:** Python, MongoDB, Angular, Kafka, Docker, Openshift, Git, Fast-API, Flask, Shell Scripting, Web Development, Bash Scripting, Jenkins

### Mymo IT Solutions | Python Intern | Internship

Jan 2020 - Mar 2020

- Implemented web scraping-based scheduler for Read the Docs website to generate dynamic table of contents for projects drastically reducing manual intervention to 50%
- Tools:** Scrapy, Python, Gitlab

### Persistent Systems | Summer Trainee | Trainee

Jul 2019 - Jul 2019

- Attended a highly selective program gaining insights into Functional Programming and automata theory
- Tools:** Functional Programming, Gofer, Emacs

## Projects

### Artificial Vision for Visually Impaired

- Created a voice-enabled application for visually impaired individuals that utilizes Visual Question Answering (VQA) techniques to answer questions based on images and OCR technology to extract and read text out loud to the user
- Tools:** Python, Flask, Anvil, Ionic, Angular and PyTorch

### Facial Recognition Based Attendance Marking System

- Developed a desktop-based efficient attendance marking system with data analysis graphs for faculty members offering a single platform for recording student data
- Tools:** Python, TensorFlow, MongoDB, PyQt5, Matplotlib

### RFID based Smart Trolley

- Built a smart shopping cart that uses RFID to mark the price of added items and generate the final receipt
- Tools:** Raspberry Pi, RFID, Python

## Technical Skills

**Languages and Frameworks:** Python, C Sharp, C++, HTML/CSS, Shell Scripting, Angular, Kafka, Scikit-learn, TensorFlow, Keras, Flask, Scrapy, Selenium, GIT, Django, SQL, NoSQL, REST APIs, Docker, Jenkins, Openshift, Helm, NLP

**Databases:** MongoDB, Oracle, MySQL

## Achievements

- RAVE Gold Bar** Received 3 bars for Meritocracy, Accountability and Partnership in Credit Suisse **2021-23**
- Innovator of the Year** Recognized at Global level in Credit Suisse for creating the DAG System **2022**
- University Rank holder** Ranked amongst top 10 scholars in Pune University **2019-21**
- IET Hackathon Winner** at National Level for the project Artificial Vision for Visually Impaired **2020**

## Certifications

- NVIDIA Certified Computer Vision practitioner
- Google AI Explore ML: Beginner and Intermediate
- Convolutional Neural Networks in TensorFlow
- Natural Language Processing in TensorFlow
- Angular Certified Full Stack Developer
- Google Cloud: Qwiklabs Profile

## Leadership and Volunteer Experience

### Computer Engineering Student Association | Professional Development Cell Head

Jul 2019 – Aug 2020

- Led a team of 4 to organize and manage sessions on the latest technologies impacting over 900 students
- Team won Best Student Chapter Award for the year 2020

### ICCUBEA(IEEE) Conference | Event Management Head

Oct 2018

- Managed an International level paper presentation event