



Swati Agarwal

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Kolkata, India 📍

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EDUCATION

Masters of Computer Application (MCA) National Institute of Technology Karnataka, Surathkal

07/2021 - Present

9.25 cgpa

B.Sc (Hons.) in Computer Science T.H.K Jain College (Calcutta University)

05/2017 - 09/2020

84%

PROJECTS

Official MACS department website NITK (04/2023 - Present)

- Led a team of 8 members to redesign the MACS department website using **Ruby on Rails**.
- Revamped the platform to enhance interactivity and user engagement for professors, students, and visitors.

Speech To Sign (01/2023 - 03/2023) 🔗

- Built an automatic speech recognition model by combining **CNN**, **RNN** to convert speech to text and further to Indian Sign Language using **NLP**.
- Achieved an accuracy of **73%** for the model and integrated the model with frontend using **Python**.

Siksha Mitra (04/2022 - 05/2022) 🔗

- A study tool for students which detect drowsiness of a person while studying using face recognition in **openCV**, **keras** and **flask**.
- The systems alarms the user(if drowsy), suggest tips to get rid of drowsiness and shows motivational quotes using API calls to keep him boosted.

WORK EXPERIENCE

Software Engineer Intern Microsoft

05/2023 - 07/2023

Microsoft Azure, C#, .net

- Worked on core business requirement of Microsoft
- Integrated trade screening services with MSA reputation API and Decoupled AAD graph and trade API
- Reduced end to end latency from 10 API to 3 API calls for retries
- Overall reduced E2E cycle execution time by 3 seconds

Subject Matter Expert Chegg , Coursehero and Bartleby

01/2021 - 06/2022

SKILLS

Java

C#

Python

C and C++

DSA

OOPS

Azure

dotnet

Flutter

Unix

Flask

HTML

CSS

Bootstrap

React.js

SQL

Machine Learning

Deep Learning

ACHIEVEMENTS

Secured Software Engineer FTE offer at Microsoft

Mentoring 100 students as Algorist Head in Mind Fuel Club NITK

Leading the NITK Recruitment team as Placement Coordinator ensuring placements for 1600 candidates.

Achieved excellence as Microsoft Intern 2023 🔗

Solved total 1000+ coding problems consistently on leetcode, GFG and pepcoding 🔗

Scored AIR 82 in NIMCET examination 2021

Student Representative of the College (2019 - 2020)

CERTIFICATES

Postman API Fundamental Student Expert

Webinar on "5G and beyond" and "Cyber Security" (07/2020)

Online Workshop on "Data Structures and Algorithm" (07/2020)

Certification on "Diploma in Computer Application" (2016 - 2017)

Certification for "Information Technology Application" (01/2015 - 06/2015)

INTERESTS

Teaching

Book Reading

Content Creation