Swayam Gupta

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○ GitHub Profile
in LinkedIn Profile

EDUCATION

- **Dayananda Sagar College of Engineering**   *2021-2025*
  Electronics and Communication Engineering   CGPA/Percentage: 7.78(upto 5th Sem)

EXPERIENCE

- **Mathrithms Technologies Pvt Ltd.(Aikin.club)**   *May, 2024 - present*
  Software Development Intern   Hyderabad, Telengana - Remote
  – Developed a web scraping framework in **Python** using web automation tools such as **Selenium** and **BeautifulSoup** for data analysis of various companies.
  – Implemented cron pipelines leveraging **Whatsapp** and **Twitter API** to transmit data across multiple social media and storing it in a **MongoDB** database.

- **Updropp.dk**   *December, 2023 - February, 2024*
  Software Engineer Intern   Copenhagen, Denmark - Remote
  – Managed and optimized **Firebase**, ensuring efficient data handling and real-time synchronization for the application.
  – Developed and implemented a comprehensive dashboard using **React-Native**, enabling users to interact and visualize data

PERSONAL PROJECTS

- **Magic Scrapper**
  FastAPI ,Selenium ,SQLite

  – Developed an API using **FastAPI** to scrape data from various food delivery apps, comparing prices to provide the best available options for the same cart.
  – Implemented logging functionality to store data in a **SQLite3** database, ensuring efficient tracking and monitoring of scraping activities.

- **Fruit Classifier (VGG16)**
  TensorFlow, OpenCV, Flask, AWS EC2, AWS S3

  – Developed a model for the classification of six different fruits using the **TensorFlow** framework.
  – Created API endpoints using **Flask** to enable the frontend to upload images and display classification results.

- **Motion Amplification Video**
  TensorFlow, OpenCV, FastAPI, AWS EC2, AWS S3, Boto3

  – Contributed to the development of a cloud-based solution for vibration analysis, enabling remote accessibility by processing video clips to extract motion features frame by frame.
  – Assisted in writing FastAPI endpoints using **Boto3** for the web application, facilitating seamless integration and data processing.

TECHNICAL SKILLS

Languages:Python, C/C++, Golang
Frameworks:Django, Pytorch, Tenorflow, FastAPI
Libraries:Numpy, Pandas, Matplotlib, Selenium, BeautifulSoup
Tools: AWS EC2, Git, Jupyter Notebooks
Databases: SQLite3, MongoDB, AWS S3

ACHIEVEMENTS

- **Competitive Programming Stats:** Codechef: 1544; Codeforces: 1002; Google Kickstart: 4889

- **Huntress CTF:** Ranked 595 amongst nearly 9000 in a month long CTF challenge by Huntress.com

- **pbCTF:** Ranked 3rd in a Capture the Flag contest with nearly 50 participating members across campus

EXTRACURRICULAR

- **Point Blank:** Student Member
 -Member of a curated college community of multidisciplinary programmers with focus on competitions

- **IEDC DSI: ESummit22** Stage Management Lead
 -Managed the auditorium at the flagship entrepreneurship event of the college