

SAKSHAM GUPTA

Undergraduate at Indian Institute of Information Technology, Allahabad.

@ sakshamg655@gmail.com

📞 (+91) 9354994228

🌐 saksham-gupta-5ab10327a

🔗 Saksham109

EDUCATION

B.Tech (IT)

IIIT, Allahabad

📅 Dec 2021 – Present

- CGPA: 8.51 (till 6th semester)

SKILLS

Languages : C, C++ , HTML, CSS , Java (OOPS), Python

Technologies/Frameworks : React.JS, Redux , NodeJS, ExpressJS, Mongo, Cucumber.JS

Courses : Data Structures and Algorithms, Object oriented Methodologies, Database Management System, Operating Systems, Machine Learning,

EXPERIENCE

Software Engineering Intern

SAP Labs

📅 May 2024-July 2024

- Learned and applied **CAP (Cloud Application Programming Model)** interface in **Node.js** contributing to the backend business logic for our team's product, CGTO (Cell and Gene Therapy Orchestration).
- Worked with the AI foundation team, focusing on UA testing, Conversational search testing of **SAP Joule (CoPilot)** using **Cucumber.js** and many other SAP frameworks. Developed feature files and implemented new capabilities for Joule.
- Technologies: CAP (Cloud Application Programming Model), SAP HANA (Database), SAP Joule (CoPilot), Cucumber.js, SAP ABAP (Advanced Business Application Programming).

EXTRA CO-CURRICULAR

Freelance Frontend Developer

Self-Employed

📅 Jan 2022-Feb 2022

- Developed and maintained a website for my client, ensuring high-quality and responsive designs tailored to client specifications.
- Collaborated with him to identify his startup's needs, providing solutions that improved their online presence and user engagement.
- Gained experience in various web technologies and platforms, enhancing my skills in front-end development.

PROJECTS

Image Deraining Using Deep Learning Phase I (Daylight)

- Developed an image deraining project using GANs and traditional filters, significantly improving image quality in adverse weather conditions.
- Utilized **CycleGAN**, **Transformers**, **ESRGAN**, **CNNs**, and Cycle Consistency Loss.
- Achieved remarkable enhancements: PSNR increased by 10 dB, SSIM improved by 0.2, MSE reduced by 50
- Evaluation metrics: PSNR, SSIM, MSE.

Road Object Detection in Rainy Nights (Ongoing)

- Developed a custom dataset by recording videos and converting frames to images.
- Implemented data augmentation and annotation using **MakeSense** and **Roboflow**.
- Currently utilizing the **DETR model** for detecting road object elements in images, with plans to enhance the dataset by adding and removing rain effects.

ACHIEVEMENTS

- Global rank 356 in **Google Kickstart- Round G 2021**.
- Got first place at '**THE HULT**' programme by pitching a startup idea on delivery services and expanding our business network among SME's all over India.
- Specialist at **Codeforces**. Secured a global rank of **963** out of 33017 rated participants in Round 883 and a global rank of **2017** out of 20023 rated participants in Round 872 .
- Participated in **Codathon-2022** - the inter NIT Coding Competition, **Amazon ML- Summer challenge** and **EY Techathon 4.0-** organised by EY.
- Solved 1500+ problems on following coding platforms: **GFG**, **LeetCode**, **Interviewbit**, **Coding Ninjas**.

POSITION OF RESPONSIBILITY

- As the Head of Branding and Logistics Department for **APAROKSHA 2024**, Technical Fest of IIIT Allahabad ,I lead a dynamic team in strategizing and executing impactful branding campaigns while ensuring seamless logistical operations to deliver an unforgettable festival experience.
- As the Head of Technical Department for **EFFERVES-CENCE 2023**, the Cultural Fest of IIIT Allahabad, I led a dedicated team in coordinating technical aspects and ensuring smooth execution of technical events.
- Coordinated and Managed all the activities of **Code-Plus**.