# Ukasha Ahmad

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## Education

**SRM Institute of Science and Technology, Chennai**      2022- 2026
Bachelor of Technology in Computer Science and
Engineering CGPA – 8.52

**Kendriya Vidyalaya No. 3, Vadodara**      2021-2022
CBSE (class XII) – 76.4 %.

CBSE (class X) – 89.9 %      2019-2020

## Skills

- **Languages:** C/C++, Python, JavaScript, HTML, CSS
- **Frameworks:** Tailwind CSS, ReactJS, NodeJS, Flask, ExpressJS,
- **Libraries :** Numpy, Pandas, Matplotlib, ReactJs, Tkinter, Streamlit
- **Tools:** Jupyter Notebook, VScode, Github, Git, Google Colab
- **Databases:** MySQL, MongoDB
- **Soft Skills:** Problem Solving, Communication Skills, Creativity, Adaptability, Time-Management, Self-learn
- **Machine Learning/Deep Learning:** TensorFlow, PyTorch, OpenVino, Keras

## Experience

**Student Intern | Samsung PRISM**
- Designed and implemented a scalable **API** to integrate the SDXL ControlNet model into the photo enhancement app, enabling seamless communication between the frontend and backend.

**Team Collaborator | Smart India Hackathon | Qualified for External National level submission**
- Integrated the pre-trained model within a larger system, collaborating with the development team to ensure seamless real-time deployment of the emotion detection system.

**Team Contributor | Intel Unnati**
- Conducted hyperparameter tuning, model evaluation, and optimization techniques to enhance model performance and computational efficiency.

## Projects

**DopeImage Dramatization App**      **| Jupyter Notebook | Python | Stable Diffusion | NodeJS | Fast API |**     (Github)
- This application allows users to Dramatize an original Image from their Gallery and get a Mindblowing Dramatized Image as output.
- Designed and implemented a scalable **API** to integrate the SDXL ControlNet model into the photo enhancement app, enabling seamless communication between the frontend and backend.
- Developed the app's frontend using **Android Studio** and **Flask**, with a focus on delivering a smooth and responsive user experience across different Android devices.

**Mind-Master Virtual Study Environment**      **| Python | ReactJS | NodeJS | Flask API |**     (Github)
- This innovative platform allows users to upload PDF files, analyzes the content, scans the user's mood, and provides personalized study tips based on that mood.
- Optimized the pre-trained model by adjusting key hyperparameters and implementing post-processing techniques for better real-time prediction accuracy.
- Integrated the pre-trained model within a larger system, collaborating with the development team to ensure seamless real-time deployment of the emotion detection system.

**Eye Movements to Control Smart Appliances (Using Deep Learning&ML)**
**| Python |TensorFloKeras | OpenVINO | HaarCascade | InceptionV3 | OpenCV | Arduino UNO |**     (Github)
- This project contains an Eye detection and status i.e Open or Close Detection Model made from OpevCV, Keras and Haarcascade Models.

**Tastebuds Restaurant Landing Page** | ReactJS | VITE | NodeJS | CSS Modules | (Github)
• Landing page of restaurant with menu and option of breakfast, lunch and dinner Menus and a search bar for searching a preferable dish.

**Awesome Image Search Engine** | JS | CSS | HTML | (Github)
• Image search gallery with Pexels API. Searches images of the typed word in the search box and gives the result with an option to download the image as well as gives the details about the author of the image.

## Certification

• AWS Academy
• DBMS Course - Master the Fundamentals and Advanced– Scaler
• Lyft Back-End Engineering Virtual Experience program Participant - Forage
• DATACOM Cybersecurity Virtual Experience Program Participant - Forage

## Extra Curriculars & Achievements

• Secured Samsung PRISM Internship. Contributed to an industry Project's worklet.
• Hackathon - SIH (Smart India Hackathon). Qualified for External National level submission.
• Secured position among Top 25 teams at SRM University.
• College Scholarship - 25%.
• Quizzing- National level IAF Quiz Podium finisher.
• Science Exhibition- Runner up for State level NCSC-National Children's Science Congress. State rank-4 (KVS state).