

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
Grade 10	Sri Vani Public School	ICSE	93.8%	2019
Grade 12	ASC PU college	Karnataka state	95.5%	2021
Undergraduate	Ramaiah Institute of Technology	VTU	9.3 CGPA (till 6th sem)	2021-2025

EXPERIENCE

- Hewlett Packard Enterprise (HPE)

Intern

– Migration from CentOS to Rocky Linux, including the integration of critical RPMs and packages, creation of a custom bootable ISO, and conversion of the configured VM into a deployable OVA image. Conducted in-depth debugging and resolved complex dependency issues to ensure reliable service deployment and high system performance.

Feb 2025 - Present

Bangalore (Hybrid)
- Samsung R&D Institute

Intern

– Developed algorithms within the Multi-modal Hierarchical Transformer framework, achieving an Observed Occupancy AUC of 0.998 and Soft-IOU of 0.957 on Waymo benchmark datasets, effectively addressing critical factors in road safety incidents.

Jan 2024 - July 2024

Bangalore (Hybrid)
- Hewlett Packard Enterprise (HPE)

Intern

– Developed a framework for fine tuning llms using PEFT techniques.

– Fine tuning llms using Lora & Qlora for text summarisation, multi label classification & image classification.

Jan 2024 - July 2024

Bangalore (Hybrid)
- Maya productDev Edge

Intern -AI Engineer

– customizes cosmetic formulas in 2 minutes, accelerating product launches by 50% & optimizing ingredient safety and sustainability.

– Resulting in a 55% increase in viewer satisfaction scores

Jan 2024- Feb 2025

Bangalore (Hybrid)
- AIQuantum Smart Solution - NITK

Intern

– Leveraging Image Processing and Machine Learning for Classification of Medical Images

June 2023 - July 2023

Bangalore (Hybrid)

PROJECTS

- Optimized Segmentation of Endothelial Cell in Corneal Images using Double U-Net Architecture

7th sem- Mini Project

– Developed a Double U-Net for precise corneal cell segmentation with VGG-19, SE blocks, and ASPP. Optimized for accurate ECD estimation under low-contrast and noisy imaging conditions.

Dec 2024 - Feb 2025
- Generative AI framework for accelerating drug discovery and repurposing using GANs

6th sem- Mini Project

– Created a GAN-based framework to accelerate drug discovery and repurposing.

– GNNs to enhance predictions for drug repurposing by analyzing drug interactions and disease associations.

March 2024 - July 2024
- Kannada NLP pipeline

Kannada Ganaka Parishat

– Developed an NLP framework for Kannada using POS tagging and stemming, addressing the lack of dedicated libraries.

Nov 2023 - May 2023

GitHub
- Code for Good Hackathon

JPMorgan Chase & Co., Bengaluru

– Developed a comprehensive web app using the MERN stack and ML models to automate activities for The Lantana Project.

– Implemented a CNN model for recording and storing lantana hotspots identified by volunteers.

– Facilitated employee allocation for removal, storage, and production processes.

– Used YOLOv8 to evaluate product precision against optimal scores.

– Created a user-friendly interface for selling products and a customized chat-bot for support.

July 2024

GitHub
- Image Inpainting for the Fashion Industry

Unisys-2023

– Developed a deep learning model using GANs and stable diffusion to fill missing regions in fashion images.

Oct 2023 - July 2024

Github

- **NLP Model for Dark Pattern Classification**
Dark Pattern Hackathon
– Developed an NLP model to classify dark patterns on websites using web scraping techniques.
 - **Legal Assistant**
SIH 2023
– Developed a chatbot legal assistant that simplifies legal documents and drafts them in plain language with easy-to-understand terms.
 - **Face Mask Recognition Model**
2nd Semester Mini Project
– Developed a face mask recognition model using Convolutional Neural Networks (CNN) and Haar features with OpenCV, achieving 93% accuracy.

Nov 2023 - Jan 2024

April 2023 - June 2024

Sep 2022 - Oct 2022

Github

PUBLICATIONS

- **Blockchain-Powered Charity Integrity System**
– Developed a blockchain-based fundraising model for NGOs using decentralized ledgers and smart contracts to ensure transparency, eliminate intermediaries, and enable real-time transaction monitoring.
 - **Optimized Segmentation of Endothelial Cell in Corneal Images using Double U-Net Architecture**
– Presented a robust Double U-Net model incorporating VGG-19, SE blocks, and ASPP for accurate segmentation of corneal endothelial cells. Achieved reliable ECD estimation under challenging imaging conditions, demonstrating potential for clinical ophthalmic applications.

Published

Accepted

ICETCS

ICCCT

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, C, Java
- **Artificial Intelligence and Machine Learning:** Computer Vision, GANs, GNN, Natural Language Processing
- **Data Analytics and Visualization:** Power BI
- **Web Development:** HTML, CSS, JavaScript, React JS
- **Web Frameworks:** Django, Flask
- **Databases:** MySQL, MongoDB
- **Cloud & DevOps:** AWS Lambda
- **Operating Systems & Tools:** Linux System Administration (CentOS, Rocky Linux), RPM Package Management (YUM/DNF), Virtualization (VMware, OVA/OVF packaging), Shell Scripting, Anaconda Installer Customization
- **Soft Skills:** Teamwork, Creativity, Leadership

ACHIEVEMENTS

- **Best Paper Award – ICCCT 2025**
Recognized for the paper "*Optimized Segmentation of Endothelial Cell in Corneal Images using Double U-Net Architecture*" featuring a robust model with VGG-19, SE blocks, and ASPP for precise segmentation and ECD estimation under challenging imaging conditions.

CERTIFICATIONS

- **UiPath Academy Automation Developer Associate Training :** UiPath