

Ruthu Bahubali Jain

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Looking for Software Development Internships.

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EDUCATION

JSS Academy Of Technical Education	Bengaluru, Karnataka	2022 - 2026
Bachelor of Engineering in Information Science. CGPA - 9/10 (Pursuing)		
Sri Kumaran Children's Home PU College	Bengaluru, Karnataka	2022
12 th Grade PU Board. Percentage – 96.2%		
The Oxford Senior Secondary School	Bengaluru, Karnataka	2020
10 th Grade CBSE. Percentage – 86.5%		

EXPERIENCE

Product Intern, Liquidmind Product Consulting PVT. LTD, Bengaluru, Karnataka

- Developed responsive frontend interfaces using **React.js** and integrated REST APIs with **Flask** backend.
 - Engineered **Azure Functions** for automated reminders, improving task completion efficiency by 30%.
 - Implemented **Role-Based Access Control (RBAC)** in backend systems to enhance data security.
 - Collaborated on **Agentic AI** workflows to automate data processing pipelines.
- Tools: React, Flask, Azure, OpenAI API, PyTorch, PostgreSQL.

Nov
2024

Federated Learning-Based Chronic Kidney Disease Prediction

- Built a **multi-class classification** model for predicting Chronic Kidney Disease (CKD) using real-world hospital data.
- Developed and trained a **FeedForward Artificial Neural Network (ANN)** within a **Federated Learning** setup to ensure data remains decentralized and privacy-preserving.
- Implemented **encryption mechanisms** to secure model weights during client-server communication, experimenting with both **AES encryption** and **Differential Privacy** to protect sensitive information.

SKILLS

- Languages:** Python, C, Java, Javascript, SQL, HTML, CSS.
- Frameworks & Libraries:** Flask, React, MERN Stack, Tensorflow, Keras, PyTorch.
- Machine Learning & Deep Learning:** Federated Learning, Neural Networks(ANN, CNN), Differential Privacy, AES Encryption.
- Tools & Technologies:** Microsoft Azure, Git, Github, Docker.
- Core CS Fundamentals:** OOP's, Data Structures, Operating Systems, Analysis and Design Of Algorithms

PROJECTS

- SkinCure** - Implemented a deep learning model using TensorFlow and Convolutional Neural Networks(CNN) to classify the skin images. Used InceptionV3 model for faster training and better performance.

Notebook - <https://colab.research.google.com/drive/1V83eOfCWzuVXRYPpFeFrRdvVNxVIIxB1?usp=sharing>

Git hub - <https://github.com/ruthujain/newbies-skindetect>

- **AgroBot** – Developed a chatbot by seamlessly integrating Gemini API key within a Flask frontend interface, and leveraging Google GenerativeAI for advanced natural language processing, while ensuring security with Python-dotenv for sensitive information management.
- **HarmoniUS** – A mental health app our team developed using Google technologies like Places API and Gemini API.
Git hub links - <https://github.com/vishnubv944/harmoni-frontend>, <https://github.com/riganb/harmoni>.
YouTube link - <https://youtu.be/mkJ-QbF1uMo>

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- Organised a Hackathon & Technical Treasure Hunt at our Department Fest ‘Samyog’.
- Won the 1st Place in a Website making competition in a College Fest.
- A member of Google Developer Student Club and I consistently participate in as many events I can.
- Participated in The Solution Challenge 2024 by Google and developed a mental health app using Google technologies like Places API and Gemini Pro. Mainly designed the UI using Figma and some react components.
- Volunteering at Make A Difference-Bangalore .
- Class Representative at JSSATEB.
- Hobbies: Painting, Reading, Cooking.