Samrath Sudesh Acharya

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Mangalore, India

SKILLS

Languages : Python, React, JavaScript, HTML, CSS, SQL (MySQL), Dart, Flutter, C, C++, Go

Tools : Figma, GitHub, BurpSuite, Metasploit, Postman, Docker, Linux, ElasticSearch, Kibana, Flare-VM, ExtraHop, InsightAppSec, Intezer Analyser, Photoshop, Illustrator

EXPERIENCE

Embrays Technologies December. 2021 – January. 2022

Intern as a Flutter Developer India

Developed a production-ready android app with GraphQl API Integration and Firebase which has **1L+ downloads**, providing seamless user experience and leveraging the power of GraphQL and Firebase.

PROJECTS

Citibot (GitHub)

- A multilingual chatbot for CitiBank available through WhatsApp and Web, that provides accurate suggestions at a rapid rate, with an intuitive frontend and efficient data scraping and storage through the use of Elasticsearch.
- Utilized technologies such as **Python**, **HTML**, **CSS**, **Javascript**, **FASTAPI**, **Elasticsearch**, **Kibana**, and **Docker** to create a feature-rich chatbot that delivers a seamless customer experience and make banking more convenient.

Mac-Changer (GitHub)

- A tool that allows for quick and easy mac-address changes on Linux machines, with over **100+ clone on GitHub**.
- Utilized **bash scripting** to create a versatile tool that is compatible with **any Linux distro**, making it a must-have tool for Linux enthusiasts and network professionals.

Network Packet Sniffer (GitHub)

- A powerful network packet sniffer that can identify all interfaces in the operating system and capture various types of network requests such as ARP, TCP/IP, Payload, Mac addresses, and IPv6.
- Utilized **Java** libraries **Jnetpcap** and **Swing** to create a feature-rich packet sniffer that provides deep visibility into network activity, making it a valuable tool for network administrators and security professionals..

Brain Tumor Segmentation (GitHub)

- Developed a high-performing convolutional neural network (CNN) using UNET, Resnet, VGG16, and VGG19 architectures to accurately segment brain tumors from Nifti images and classify them as LGG and HGG using an additional classification model.
- Leveraged **Python** libraries **Tensor** and **Pytorch** to design and implement the CNN, achieving exceptional accuracy in brain tumor segmentation and classification.

ACHIEVEMENTS

- Ranked **631** globally in **Hack The Box**
- Ranked **top 10** winner across India in Citi Bank Innovation Hackathon 2022
- Ranked **top 6** winner in the intra college Hackman Hackathon 2022