Anisha Ghosh

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Education

VIT-AP UNIVERSITY   Amaravati, Andhra Pradesh
B. Tech in Computer Science and Engineering   2020 - 2024

DPS Ruby Park   Kolkata, West Bengal
CBSE: 94%Agregate

Skills & Interests

Technical: Java, OOPs, Git, C Language, Python, Linux, Arduino, IoT, Azure, SQL, FIDO2 Specifications , Keras, TensorFlow
Interests: Open Source, Internet of Things, Password less Authentication, Machine Learning

Projects, Hackathons and Competitions

Microsoft Imagine Cup, 2022
Reverse Proxy
- Seamless student attendance platform, eliminating malpractices like Proxy attendance.
- Leveraged public key cryptosystem (RSA) and device attestation with FIDO2 Specifications to ensure the same.
- Related Skills: Azure, Python, FIDO2 Specifications, Web Development

Medical Record
- Smart Card for Medical record maintenance and Temporary Token Authentication for in house hospital patients
- Used NFC and FIDO2 based password less authentication to ensure prevention of security issues
- Related Skills: Cryptography, Flask, Web-NFC API

Stocky
- A fast and accurate stock market predicting neural network models for time series prediction
- Created a stacked LSTM model to process multiple data points and plot predictions of a stock for the next 30 days
- Related Skills: Keras, TensorFlow, Deep learning, Python

Loki
- A novel and robust physical lock for safekeeping of physical assets called Loki.
- A Physical Security key is used to authenticate the lock using cloud architecture running on a Linux based Internet of Things (IoT) microcontroller
- Related Skills: Cloud Computing, Cryptography, Fido2, Azure

Honors and Awards

- Microsoft Imagine Cup, 2022. India Runner up
- Scholar Badge awardee in class 12th Delhi Public School
- Topped school with 3rd position in class 10th boards from school