

Ashish Malik

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EDUCATION

International Institute of Information Technology, Bhubaneswar
Bachelors of Technology in Electronics and Telecommunication

August 2018–May 2022
CGPA:7.00

EXPERIENCE

Casbin

May 2021–August 2021
Remote

Google Summer of Code Student

- Wrote a [Kubernetes middleware](#) which would authorize users based on policies of casbin.
- Extended it's support for all operations and **Kubernetes** resources.
- Wrote an [Envoy middleware](#) to enforce casbin policies on envoy, which could be deployed to any service mesh.
- Implemented a **gRPC server** through which **Envoy proxy** would communicate with the services.

OWASP Foundation

May 2020–September 2020
Remote

Google Summer of Code Student

- Designed an [Intrusion Detection System](#) which would detect threats based on Machine/Deep Learning.
- Pre-processed the KDDCup'99 Dataset and added ML and DL Classifiers to **Django REST API**.
- Wrote a [script](#) perform feature engineering of dataset and to compare accuracy of different ML algorithms

Symbiosis Technologies

June 2019–July 2019
Visakhapatnam

Software Intern

- Designed a facial recognition system to perform real time face detection of employees through CCTV.
- Wrote a **Python script** which would then store the data in a CSV format and could be accessed through a simple UI made with Tkinter.
- Created a Chatbot for their website using Google Dialogflow and deployed it through **Heroku**.
- Integrated Weather and Google Maps API's and set up the **webhook** for the communication.

PROJECTS

Git-Connect– A **Github** Web App for posting the open source contributions on Linkedin for every pull request.

Go-to-REST– A Containerized **RESTful API** template with a **load balancer**.

Alphanumeric Recognition– A Web App for recognizing handwritten characters and digits using **Flask**.

Malware– Created undetectable malwares (Trojan, Ransomware, Worm and Backdoor) for Windows and Linux by using **Python obfuscation**.

PROGRAMMING SKILLS

Languages:Python, Golang, SQL, JavaScript

Technologies: Kubernetes, Docker, Git, Django, Unix

ACHIEVEMENTS

- Selected twice for Google Summer of Code -[2020](#) and [2021](#).
- Got First Prize in Web-Dev Event for creating a [Website](#) under 24 Hrs.
- Successfully conducted multiple Cyber Security Awareness workshops across state of Odisha under CDAC.