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EDUCATION

Hooghly Engineering and Technology College

Bachelor of Technology in Computer Science Engineering

Aug. 2021 – present

West Bengal

- CGPA: 8.19/10
- Relevant Coursework
 - Data Structures
 - Algorithms Analysis
 - C-Programming
 - Software engineering

RESEARCH INTEREST

- Security in Microservice-architecture
- Machine-Learning based Authentication
- Cloud-security

EXPERIENCE

Academic-Project:

Developer, Researcher

Jul. 2023 – present

Hooghly, West Bengal

- Classification of Ddos-Attack in Machine Learning
- Professor: Sirshendu Hore
- This Project is basically on analyzing the Ddos-attack data set, based on that data, types of Ddos-attack are defined
- End goal of this project is to develop machine learning models on each types of Ddos-attacks, model that performs best to identify the attacks are accepted as efficient
- Finally, preparing the report out of the project
- tools that are being used google-colab, python, pandas for data-analysis

PROJECTS

Web Crawler | Javascript, Nodejs, Vscod

September 2023

- Web Crawler or spider, are automated software programs designed to browse the World Wide Web and collect information from websites.
- It start by visiting a seed URL, typically provided by a user or a predefined list. It follows hyperlinks on web pages to navigate through websites and returning the URLs (with no. of times it visited) in terminal
- Project was built and continuously tested, with respect to website terms of services that adhere to website rules, such as respecting robots.txt files.

Authentication System | Javascript, nodejs, expressjs, Vscod

August 2023

- JWT-based authentication is a robust and widely adopted method for secure user authentication in web applications and APIs.
- Secret Key Management: Safeguarding the secret key used for signing JWTs is crucial to prevent unauthorized token generation.
- Javascript frameworks like nodejs and reactjs has been used to built the project

Javascript Calculator | Vanilla javascript, HTML/CSS

March 2023

- Web-based calculator that function like a normal calculator
- Vanilla javascript and HTML/CSS has been used.

TECHNICAL SKILLS

Languages: Javascript, HTML/CSS, Java, Python, SQL

Developer Tools: VS Code, AWS, Docker

Technologies/Frameworks: React, Node, Git and GitHub, Kubernetes, Linux

CERTIFICATIONS

Introduction to Cloud Computing on AWS by *Neal Davis*

Sep. 2023

Practical Ethical Hacking by *Heath Maverick Adams*

Sep. 2023

Internet History, Technology and Security by *University of Michigan*

May 2023

Programming for Everybody (with Python) by *University of Michigan*

Jun. 2022

LEADERSHIP

Robozigger event in TechFest

17 Mar. - 18 Mar 2023

Team lead

Hooghly, West Bengal

- Lead and managed a team of 5 members with different roles
- There were hardles that was to be crossed by the Rover
- Managed to build the rovar maintaining all the technical aspects and successfully compeleted the event with second place finish

ACHIEVEMENTS

Inter-college Robozigger Competition

Mar. 2023

- We made the rover to complete the hardles within a short span of time
- We were successful to achieved the **Second place** and got a price money of 8000 rupees in this event after competing with more than 15 colleges

EXTRA-CURRICULAR ACTIVITIES

Member of Coding club

Jan 2022 - Present

Participated in Poster making competition

Apr. 2022

college level

Hooghly, West Bengal