Muditya Raghav

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EDUCATION

GYAN GANGA INSTITUTE OF TECHNOLOGY AND SCIENCES
B.Tech Information Technology
August 2019 - May 2023
CGPA: 9.08 /10

NACHIKETA SCHOOL
12th, MP Board
July 2018 - April 2019

ST ANNE'S HR SEC SCHOOL
10th, CBSE Board
July 2016 - June 2017

LINKS

LeetCode:// **mudityaraghav**
Codeforces:// **muditya**
LinkedIn:// **muditya**
Github:// **mudityaraghav**
Twitter:// **@mudityadev**

SKILLS

Languages
• Javascript/Typescript • Python3 • C++
• Go (familiar) • SQL • Rust (familiar)

Frameworks
• ReactJS/NextJS • Web3 • gRPC
• OpenCV (Computer Vision) • Django •
Flask • Bootstrap5 • REST-API

Tools
• Docker • Kubernetes • AWS • Linux

COURSEWORK

CORE SUBJECT
Data Structures
Cloud Computing
Object Oriented Programming
Machine Learning
Database Management
Operating System
Networking

PRACTICAL
Works on AWS Cloud Platform
Image Processing (Computer Vision)
Microservice Architecture

EXPERIENCE

SV TECHNOLOGIES | Backend Developer (Remote)
March 2023 - May 2023
- **Led** the development of intuitive **REST APIs** enhancing app interactivity.
- **Boosted** server performance, ensuring **seamless design-team collaboration**.
- Crafted **efficient data systems** utilizing **PostgreSQL** and **Redis**.

PERSISTENT SYSTEMS | Software Developer Intern (Remote)
April 2022 - June 2022
- **Revolutionized** testing tools in **Excel**, automating intricate data analyses and manipulations.
- Achieved a significant **90 reduction** in testing durations, streamlining a 3-hour process to just **30 minutes**.
- Employed **Python3**, complemented by **Pandas**, for adept data handling and script optimization.

CISCO NETWORK ACADEMY | Cyber Security Intern (Remote)
April 2021 - July 2021
- Conducted meticulous **security evaluations** on E-commerce websites, utilizing expert tools like **Burp Suite** and **Nmap**.
- Stepped into the realm of **bug bounty**, contributing to **Paypal's vulnerability identification program** via HackerOne.

PROJECT WORK

QQ PAYMENT GATEWAY [Source Code] | [Research Paper]]
- **Engineered** a payment gateway, leveraging **Solana Network** and **Web3**, bridging fiat and cryptocurrency for SMEs.
- Integrated a **double-spending deterrent** via Solana's **Proof of History (PoH)** consensus.
- Enabled **frictionless conversions** between cryptocurrencies and fiat, democratizing payment choices for businesses.

CONTACTLESS PAYMENT & CHECKOUT SYSTEM   Semi-Finalist, Microsoft Imagine Cup Hackathon 2021
[Source Code]
- Designed **high-performance web applications** harnessing **Django Rest Framework**.
- **Amplified store security** by 40 percent with a virtual cart system, integrating cameras and weight sensors, deterring shoplifting.
- **Slashed checkout queues** by 60 percent with a **Face ID-based contactless payment system**, elevating shopping experiences.

AWARDS & RECOGNITIONS

Year	Type	Description
2023	PR	Mapbox Contribution
2023	Pub.	gRPC Research, 350+ readers, 15 countries
2022	Ack.	Traffic Management, MSME Jabalpur
2022	Kaggle Rank	2096/14635 (Top 15%) Titanic Survival
2022	Award	Jabalpur Chambers of Commerce
2021	Patent	No.20221006680 for low-light detection
2020	2nd	Smart India Hackathon