RUTWIK GAIKWAD

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EDUCATION

A. P. Shah Institute of Technology, Mumbai University, India   **Expected: May 2021**
Candidate for Bachelor of Engineering in Information Technology
Relevant Coursework: Applied Mathematics, Security Lab, Python Lab, Cryptography & Network Security, Operating Systems, IoT Lab, Cloud Computing & Services, Digital Forensics, Data Structure & Analysis, and Automata Theory.

PROFESSIONAL EXPERIENCE

SOC Experts, Bangalore   *Trainee and Security Analyst Intern*   **Jun 2020 – Nov 2020**
- Monitoring Security alerts generated by SIEM and analyzing alerts by following runbooks using various tools.
- Generating tickets for validating events and identifying root causes of incidents and follow-up for incident closure.
- Assist the team lead in generating weekly report, documentation of alerts and drafting shift handovers.

APSIT Skills Center, Thane   *Web Development Intern*   **May 2020 – Oct 2020**
- Led the full stack web product development as the team lead by maintaining coordination between the front end and back end teams with the management and deploying each module after analyzing before the deadline.
- Developed the internship portal to manage all the internship data and created a web-interface where each intern can update data and mentors and faculties can validate and grade it.
- Aided the Design Team in creating template for automatic distribution of certificates, designed the portal's UI/UX and structured the back end for interns for daily reporting wherein, mentors can monitor the daily activities of interns.
- Managed the database schema to withstand high data amount by structuring the MySQL database efficiently.

ACADEMIC PROJECTS

Educhain
- Developed a Decentralized Application (DAPP) on Ethereum block-chain for A. P. Shah Institute of Technology to allow institutes to store all the certificates issued on Block Chain and allow it to be publicly verified.
- Wrote the Smart Contract in Solidity to store all the certificate data and enabled it to be validated globally.
- Designed the front-end using React JS and deployed a Node JS server for the back end.

Employee Attendance Portal
- Developed a web-based portal using HTML and CSS to track employees' attendance and manage their leaves.
- Stored the data in a MySQL database and enabled the portal to interact with the database using PHP.
- Designed the interface to allow the faculties to view all the attendance details.
- Implemented a statistical and informative dashboard to enable admins to manage the portal.

Factory Transport Simulation
- Programmed a software to automatically find the shortest path for vehicles within huge warehouses using Python.
- Prepared the system to comprise of 2 parts, the client, which sends the source and destination to the server, and the server, which calculates the shortest path and sends to the client.
- Coded the server to accept any map and simulate 4 clients simultaneously without collision, by implementing the A* algorithm to find the shortest path from given source to destination on the map.

COURSES AND CERTIFICATIONS

- Certified Ethical Hacker (Master) by EC-Council in Nov 2020.
- Cybersecurity Foundations course offered by Palo Alto Networks Cybersecurity Academy in April 2020.
- Certified by IBM for Docker Essentials: A Developer Introduction at March 2020.
- Certified Blockchain Architect™ by Blockchain Council at Jan 2020.
- AWS Certified Cloud Practitioner course offered by Amazon Web Services (AWS) from Oct 2019 to Oct 2022.
- Certified Blockchain Expert™ by Blockchain Council at Oct 2019.

TECHNICAL SKILLS

- **Security Solutions:** Antivirus, Firewall, IPS, Proxy, and WAF
- **Programming Languages:** Python, C, Java, and MySQL.
- **Web Technologies:** HTML, CSS, JS, and PHP.
- **Operating Systems:** Kali, Parrot OS, Ubuntu, RedHat, and Windows.
- **Softwares:** SPLUNK, NMAP, NESSUS, WIRESHARK, Aircrack-ng, Metasploit, HYDRA, and John the Ripper.

EXTRA CURRICULAR ACTIVITIES

- Appointed as the Head of Technical Team at OJUS – Radiance Of Euphoria, the cultural fest of A. P. Shah Institute of Technology, held during January 2020 and developed the website for managing registrations for all the events.
- Organized various programs on Cloud Computing, Machine Learning, Node JS, GitHub, and Dockers, as well as various state and national level coding competitions as the Secretary of IT Students Association during June 2019 to July 2020.
- Secured First position in Environment Conservation domain (Topic: Increase efficiency in a Solar Car) at Smart City Ideathon, a National level ideathon, organized by Lakshya on 29 March 2019.
- Volunteered at Lakshya – Socio-Technical Team, APSIT and also organized and volunteered events like Cleanliness Drive to clean the Dadar Beach, Blood Donation, and a lot of awareness events during Aug 2018 to Dec 2020.