Sanchi Chopra

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EDUCATION

VIT UNIVERSITY
BTech in Computer Science
July 2017 - Current | Vellore
CGPA: 9.33

MARIAMPUR SEN. SEC. SCHOOL
Senior Secondary
April 2015 - May 2017 | Kanpur, UP
Percentage: 94.8%

LINKS

My Portfolio: sanchichopra
Github: SanchiChopra
LinkedIn: sanchi-chopra
Medium: choprasanchi2

SKILLS

PROGRAMMING
- Algorithm • Data Structures
- C, C++   • HTML
- CSS   • JavaScript
- PHP   • React
- MySQL   • GitHub

FAMILIAR
- Blockchain • Java
- Flask   • Python

TOOLS
- MongoDB Atlas   • Postman
- Heroku   • Jira
- Microsoft Visual Studio • Netlify

HACKATHONS

- Winner at Hack-a-thon VIT, for the Project: Secure Automater.
- Winner at Code Crusades, GirlScript
- Second Runner Up for Electricity Saver Model - ZOPP at Technica, conducted by ISTE, VIT.

OPEN SOURCE

COLLABORATIONS

Built an efficient back-end system using Flask, to conduct a creative filter making competition in collaboration with Snapchat.

CERTIFICATIONS

- Google Analytics for Beginners
- Blockchain Foundation Course
- Node-red: Basic to Bot by IBM
- Data Visualization by Coursera

EXPERIENCE

MAHINDRA COMVIVA | Technical Consultant and Software Engineering Intern
May 2019 - June 2019 | Bangalore
- Worked on a web Software Development Kit for company's Digital Banking Experience Platform by automating DOM updation on the user interface using Vanilla JS and jQuery.
- Formulated about **50** unit test cases, increased test coverage by **5%** with the team and interacted with clients to cater to feature requirements.
- Reduced the need of technical support to associated banks by 40%.

WINUALL | Front-end Developer and Content Writer
May 2018 – July 2018 | Work from Home

- Collaborated with the Developer team to execute a number of blogs on trending technology.
- Increased the publication rate by 20% and enhanced frontend of the website.

WTM AND GOOGLE DEVELOPERS | WomenTechmakers Ambassador and Developer at GDG
Nov 2017 – Current | GDG, VIT
- Worked with the Developer Team, in Javascript and Python to plan, design and develop the full stack to deliver Real- Life Applications built by DSC for the public.
- Planned and deployed applications for Tamil Nadu Gov. with the team.

PROJECTS

SECURE AUTOMATOR -- A HARDWARE ENCRYPTION HUB | Developer
Jan 2020 – April 2020 | VIT, Vellore
Built **Secure Automator**, a model to provide extensive security and backup layers to any real - life automated systems, along with a direct implementation of blockchain with parallel AWS databases.
Integrated Jetson Nano, a big - capacity hardware with the system to fasten the encryption - decryption of data by 70%.

ALGORITHMS PATH VISUALIZER | Developer
May 2019 – July 2019 | VIT, Vellore
Worked on **Algorithms Path Visualizer**, a web application to visualize the optimal route between two locations in a search domain.
Implemented classical route finding algorithms including Dijkstra, BFS, DFS, etc to obtain the optimal path between two nodes in a network.

PROUDRED -- A COMMUNITY BLOODBANK | Developer
August 2018 – Nov 2018 | VIT, Vellore
Led the development of **ProudRed**, a web application that monitors all the information about users contributing to, or accessing the Hospital's blood bank.

PUBLICATIONS

[1] Sanchi Chopra, Aneesh MV, Sidhantha Poddar, Aditya Nath. Developing A Secure Light weight Cloud Storage Schema for IoT Data using Hardware Encryption HUB. Springer, (2020, In the final review stage).
[2] Sanchi Chopra. Enhancing Image using Image Steganography. IGI Publications, 2019.