

Chaitanya Bisht

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ABOUT ME

I am third year CSE (Honours) undergrad who is highly motivated towards research and always keen to take up new problems and look for a solution. I was given the opportunity to pursue Honours degree, I will be required to publish a thesis along with research papers. I'm interested in Security, Networks and Cloud Computing.

EDUCATION

- **Indian Institute of Technology, Bhilai** Bhilai, India
B.Tech (Honours) in Computer Science; GPA: 9.1 2020 - ongoing
- **Delhi Public School, Dwarka** New Delhi, India
Grade 11 and 12 in PCM; Percentage: 94.6% 2018 - 2020

SKILLS SUMMARY

- **Languages:** Python, C++, JavaScript, SQL, Bash Scripting, LaTeX
- **Tools:** Docker, Git, PostgreSQL, AWS, Wireshark, NS3

EXPERIENCE

- **EVM EMS 2.0** Raipur, India
Software Developer September 2022 - December 2022
 - Member of a team to develop a Resource Management System for the **Election Commission of India**, that will be used in the Parliamentary Elections of 2024.
 - The project is of National Importance and is expected to have 100,000 peak concurrent users.
 - Currently working on designing and implementing APIs along with CI/CD integration
 - Performed system administration roles including managing Docker containers and deployment of microservices
- **Indian Institute of Technology Delhi** New Delhi, India
Research Intern - Dr. Dhiman Saha June 2022 - Ongoing
 - Surveyed the existing research on Location Privacy of UAVs and worked on a SoK paper yet to be published.
 - Hands-on experience with flying the drone and performing experiments.
 - Looking at novel methods to protect location privacy of drones which use 5G networks for location information
- **Glocol Networks** Remote
Internship - Dr. Harsh Verma July 2022 - August 2022
 - Developed an email based notification system from scratch which alerts users about the occupancy levels of trains using the data collected by sensors deployed
 - Deployed on AWS which uses EC2, SES and DynamoDB services
- **Undergraduate Fellowship** Raipur, India
Mentor - Dr. Gagan Raj Gupta March 2022 - August 2022
 - Fellowship awarded by TIH, under Department of Science and Technology for fraud detection in financial transactions.

PROJECTS

- **Medical Diagnosis Application:** Developed a medical diagnosis application using decision tree classifier using Python, Scikit-Learn and Streamlit. This project was selected to be a Global Top 50 Finalist in Google Developers Solution Challenge 2022.
- **WatchParty:** Developed a Chrome Extension which allowed two people to watch synchronized online videos together. The server ran on Node.JS and I used Socket Programming in order to synchronize the video stream on both ends.
- **Fruit Classifier:** Developed a model that classifies fruits using learning by Prototypes, KNN and Neural Networks
- **Climate Change Dashboard:** As a course assignment, I developed a dashboard that let users visualize various factors that affected climate change like temperature.

ACTIVITIES AND POSITION OF RESPONSIBILITIES

- Global Top 50 Finalist in Google Developers Solution Challenge 2022 for developing an AI based medical diagnosis application.[View Certificate]
- **Speaker** at 5th Future Worlds Symposium by ACM Sacramento Chapter [View Website]
- **Member** of de.ci.phe.red Lab at my institute. This lab focuses on research in cryptography and security
- Was selected in FOSS Overflow 2021, an annual winter coding festival at our college. [View Certificate]
- **Core Member** of Google Developer Student Clubs
- **Member** of Cybersecurity Club at our college
- **Mentor** at OpenLake, a club which focuses on open source development