Chejarla Santosh Kumar

℘ +91 9491900845
✉ ch.santoshkumar211@gmail.com
🖰 www.thechs.in

Profile

A young self-initiated, committed Cybersecurity enthusiast with hands-on experience in the fields of Cybersecurity, Cloud Computing and with a sheer will towards exploring different domains and gaining new knowledge.

Education

2017–2021   **B.Tech**, *Amrita Vishwa Vidyapeetham*, Kollam, *CGPA: 9.34*.
Computer Science & Engineering

2015–2017   **Intermediate**, *Sri Chaitanya*, Guntur, *97.3%*.
Maths, Physics & Chemistry

2014–2015   **10th Grade**, *Dr.K.K.R's Gowtham Concept School*, Guntur, *GPA: 9.5*.

Projects

Aug 2020-Present   **Auto-Car Mk I**, *OpenCV and Arduino*.
Built an Arduino based Self-Driving Car powered by OpenCV.
Link: https://drive.google.com/drive/folders/1caeRWpZJ2gp7c3-4RAnem3mxa90YtM-V

May 2020   **Pandemic outbreak prediction**, *Complex Networks Analysis*, Amrita Vishwa Vidyapeetham.
Proposed an approach for the Prediction of the outbreak of a pandemic in a community based on Social Networks.
Link: https://github.com/chsantoshkumar211/pandemic-outbreak-prediction

Jan - May 2020   **eth_courier**, *Blockchain-based Courier Management System*, Amrita Vishwa Vidyapeetham.
This a modern Courier Management Web App that supports Blockchain transactions.
Link: https://github.com/chsantoshkumar211/ethereum_based_courier_service

July 2019   **SHAP On Phishing Detection**, *SHAP Analysis*, Mentored by Dr.Yisroel Mirsky, BGU.
Applying SHAP on Xgboost trained model to get top features that effect the model output.
Link: https://github.com/chsantoshkumar211/pd-shap-analysis

Oct – Dec 2018   **CSE-B Asst.**, *Telegram Bot*, Amrita Vishwa Vidyapeetham.
A simple Telegram Bot that assists my classmates in their academics.
Link: https://github.com/chsantoshkumar211/CSE-B-Asst

Research and Publications

Apr 2020   **Dimensionality Reduction based on SHAP**, *Technical Paper*, Amrita University, Amritapuri.
The paper verifies a novel way to reduce the dimensionality of the model based on the game-theoretic approach of SHAP.
Link: https://ieeexplore.ieee.org/document/9182109

July – Aug 2019   **Ben-Gurion University**, *Research Student*, Ben-Gurion University of the Negev, Israel.
Selected to attend Summer School on Data Mining and Business Intelligence for Cybersecurity at Ben-Gurion University of the Negev, Israel.

CTFs

2017–2018   **Member Of Team bi0s**, *CTF Team*, Amrita University, Amritapuri.
Team bi0s ranked number-1 CTF team across India for the past 4 years as per ctftime.org.

2018   **InCTF**, *Challenge Developer and Organizer*.
National CTF, conducted along with Team bi0s. Created web challenges and was part of the hosting team.

2018	**InCTFj**, *Challenge Developer and Organizer*.
	InCTF Junior is the first school CTF exclusively for Indian school students, conducted along with Team bi0s.
2018	**Bsides CTF Delhi**, *Challenge Developer and Organizer*.
	BSides Delhi CTF was sponsored by HackerOne and was hosted by Team bi0s, as a part of the conference held in Delhi on 26th October 2018.

Certifications and Achievements

Feb 2020	**Champions of Vidyut on-site CTF**, *as part of team newbies101, Online CTF*.
	Vidyut CTF is an online jeopardy CTF conducted by Amrita Vishwa Vidyapeetam.
Dec 2019	**Google Associate Cloud Engineer**, *Certification*.
	The Associate Cloud Engineer exam assesses the ability of Engineers to work and deploy Cloud-based solutions on Google Cloud Platform.
Mar 2019	**Champions of Vidyut on-site CTF**, *as part of team newbies101, Online CTF*.
	Vidyut CTF is an online jeopardy CTF conducted by Amrita Vishwa Vidyapeetam.
Oct 2018	**Champions of the on-site Hack.lu CTF**, *as part of team bi0s, Online CTF*.
	Conducted by FluxFingers team as part of HackLu Conference at Ruhr-Universität Bochum, Germany.
Sept 2018	**Runners up from India Region in CSAW CTF**, *as part of team bi0s, Online CTF*.
	Conducted as a part of Cyber Security Awareness Week by New York University.
Sept 2018	**Rank 4 World wide in HackIT CTF**, *as part of team bi0s, Online CTF*.
	Conducted as a part of HackIT4.0 conference, Kyiv, Ukraine.
July 2018	**Rank 3 World wide in ISITDTU CTF**, *as part of team bi0s, Online CTF*.
	ISITDTU CTF 2018 is geared more towards university and high school students organized by Duytan University.

Interests

Technical	Web Exploitation, Cloud Computing, Mechatronics.
Non - Technical	Concepts of Physics, Travelling.

Technical skills

Languages	Python, HTML, PHP, MySql.
Operating System	Windows, Linux.
Misc.	Google Cloud Platform, Cinema4d, Camtasia, Premier pro, Photoshop.

Social Outreach

June 2019	**Nayi Soch**, *MPUP School*, Kondaveedu, volunteer.
	Developed a Website to collect donations for a government school located in a village in Andhra Pradesh.
April 2018	**bi0s Meetup**, *Kochi*, Member of organizing team.
	Conducted a Cybersecurity awareness meetup in Kochi, Kerala.

Spoken Languages

English	Capable to Read, Write and Speak.
Telugu	Capable to Read, Write and Speak.
Hindi	Low proficiency - Read, Write and Speak.