

Chejarla Santosh Kumar

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Profile

A young self-initiated, committed and focused 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: 9.26.
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

- January - 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**, *Xgboost Model*, Mentored by Dr.Yisroel Mirsky, Israel.
Applying SHAP on Xgboost trained model to get top features that effect the model output.
Link: <https://github.com/chsantoshkumar211/pd-shap-analysis>
- June 2019 – Present **arr_op**, *Python Library*.
A simple Python library useful to do handy operation on 1D Lists in Python.
Link: https://github.com/chsantoshkumar211/arr_op
- Oct – Dec 2018 **CSE-B Asst.**, *Telegram Bot*.
A simple Telegram Bot that assists my classmates in their academics.
Link: <https://github.com/chsantoshkumar211/CSE-B-Asst>
- January 2020 - Present **Bheeshma**, *Peer-to-peer Storage Network*, Amrita Vishwa Vidyapeetham.
Project Bheeshma aim's to create a P2P storage network, where miners can offer their storage to clients for incentives.

Research and Publications

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

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**, *Examination.*

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, Blockchain.

Non - Concepts of Physics, Travelling.
Technical

Technical skills

Languages Python, C++, HTML, Shell Scripting, PHP, MySQL.

Operating Windows, GNU/Linux.
System

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 Read and Write - Low proficiency.