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Santosh Kumar

Education

- 2017–2021 **B.Tech**, *Amrita Vishwa Vidyapeetham*, Kollam, 9.22.
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, 9.5.

Experience

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.
Main focus on Web Exploitation.
- 2018 **InCTF**, *Challenge Developer and Organizer*.
National CTF, conducted along with Team bi0s. Created web challenges and was the 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.

Learning Experience

- July – August **Ben-Gurion University**, *Research Student*.
2019 Selected to attend Summer School on Data Mining And Business Intelligence For Cybersecurity At Ben-Gurion University, Israel

Achievements

- 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.
- Mar 2018 **Rank 1 in Vidyut on-site CTF**, *as part of team newbies101, Online CTF.*
Vidyut CTF is an online jeopardy CTF conducted by Amrita Vishwa Vidyapeetam.

Projects

- October 2019 **Varuna**, *ML Model For Rain Prediction.*
Developed an Xgboost model for Rain prediction, trained on a dataset from kaggle
Link : <https://github.com/chsantoshkumar211/varuna>
- July 2019 **SHAP On Phishing Detection**, *Xgboost Model*, Mentored by Dr.Yisroel Mirsky.
Applying SHAP on Xgboost trained model to get top features that effect the model output.
Link : <https://github.com/chsantoshkumar211/pd-shap-analysis>
- June – **arr_op**, *Python Library.*
Present 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>.

Computer skills

- Languages Python, Java, C, HTML, Shell Scripting, PHP, MySql
- Operating System Windows, GNU/Linux
- Misc. Google Cloud Platform, AWS, Cinema4d, Camtasia, Premier pro, Photoshop

Interests

- Technical Web Exploitation, Competitive Programming
- Non - Technical Concepts of Physics, Travelling

Social Outreach

- June 2019 **Student Social Responsibility**, *Volunteer*, MPUP School, Kondaveedu.
- April 2018 **bi0s Meetup**, *Member Of Organising Team*, Kochi.
- Oct 2017 **Amritavarsham 64**, *Volunteer*, Amritapuri.

Spoken Languages

Telugu, English, Hindi & German