DURJOY MAJUMDAR

STUDENT | ASPIRING SOC ANALYST | SECURITY RESEARCHER

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Education

- **KL University** - B.Tech CSE (Honours) ; Specialization in cybersecurity. CGPA - 9.14 out of 10.00 | 2021-25
- **Govt. Shamsur Rahman Colleage** - Higher Secondary; Science major. GPA - 5.00 out of 5.00 | 2019-21

Experience

Research Associate (Intern), SRG Laboratory, KL University | [Andhra Pradesh, IN] Nov' 24 - Present
- Aiming to mitigate voice based authentication risks. Exploring LLM fine-tuning and securing data.

Student Peer Mentor & Teaching Assistant, KL University | [Andhra Pradesh, IN] APR' 22 - JUN' 24
- Mentored 100+ undergraduates across 7 core security courses, achieving 80% positive feedback.
- Conducted 20+ Study sessons, provided coursework guidance and assisted in lab.

Technical Chair, White Hat Hackers Club, KL University | [Andhra Pradesh, IN] MAY' 23 - MAY' 24
- Coordinated 15+ events with 1500+ participants, achieving 85% satisfaction rate.
- Crafted 20+ CTF challenges across 3 difficulty levels, completed by 300+ participants.
- Provided guidelines to students to grow in Cybersecurity. Delivered 10+ technical sessions.

Skills

- **Technical Skills:** Log analysis, Malware analysis, Threat hunting, Incident response, SIEM implementation.
- **Tooling:** Splunk, Wireshark, Nmap, Metasploit, GNS3, Autopsy, Volatility, Snort, Suricata, Sysinternal Toolkit.
- **Software Development:** HTML, CSS, Js, C, Bash, Powershell, React, NodeJS, Django.
- **Additional:** Experienced in academic research writing and methodologies, with proven collaborative success.

Research Publications

- Shadow APR-ing for APR Poisoning Detection. IEEE Xplore
- Beyond Copy-Pasting - Contextualizing LLMs for Secure Code Generation. SpringerNature
- Beyond Text: Nefarious Actors Harnessing LLMs for Strategic Advantage. IEEE Xplore
- Mitigating Software Dependency Hallucinations in LLMs: An emerging Supply Chain attack vector . IEEE : Com.
- An analysis and improvment research on Quantum Safe Cryptography Ongoing

Certifications

- OCI GenAI Professional. JUL' 2024
- Oracle certified foundations associate. JUN' 2024
- Microsoft AI-900 (Azure AI Fundamentals). JUN' 2024
- Fortinet Certified Cybersecurity Associate. MAY' 2024
- Google Cybersecurity Professional. FEB' 2024
- Juniper Networks Certified Associate, Junos (JNCIA - Junos). MAY' 2023
- (ISC)² Certified in Cybersecurity℠ - CC. DEC' 2022
- Google IT Support Professional. NOV' 2022

Projects

- **AI4ECN-Novel AI enablers and systems for Edge-Cloud-Network Continuum|Submitted -** Representing KL University as a student researcher in a €7.5M Horizon Europe project, collaborating with 17 international partners including UCL and Telefonica, with additional ₹1.5Cr DST India funding upon selection by EU.
- **Logalyzer** - In house log analyzer for detecting potential threats, triaging and remediating.
- **WeCrypt** - A tool to recover and decrypt wechat messages in an forensic environment.
- **Web Development** - wissap.kluniversity.in, srivinayakapackers.in.

Achievement & Honors

- Finalist - SIH'23 (Worlds biggest open innovation model) & KAVACH 2023 (National Cybersecurity Hackathon).
- Top 1% in TryHackMe global leaderboard, top 3 in LetsDefend national leaderboard and active CTF player.
- SII (Study In India) Scholar. An scholarship awarded to 250 students worldwide by the Govt. of India.
- Research Advisor, White Hat Hackers Club, KL University.
- Head of quality assessment, Student Activity Center (SAC), KL University.
- Recognized as LinkedIn's Cybersecurity Community Top Voice (Golden Badge) for contributing to articles.
- Head coordinator, Winter School for Speech and Audio Processing (WiSSAP-2024)