



Biswadeb Mukherjee

Ethical Hacker | Cyber Security Researcher



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Objective

Dynamic professional with 4 years of expertise in Cybersecurity Research, Pentesting, Software Development, full-stack development, Prompt Engineering, and Reconnaissance. Proficient in leveraging cutting-edge technologies and methodologies to address complex cybersecurity challenges. Skilled in cybersecurity strategies, AI techniques, and software solutions. Committed to delivering quality products, and ensuring user-end satisfaction through impactful results in the fields of cybersecurity and technology.

Professional Experience

Mentor & Participant | IEEE-IC Standard Hackathon 16-18 December, 2024

- Guided the team in planning, execution, and problem-solving while actively contributing to Project FlowGuard
 - Got in Top 5 Finalist in India through collaborative efforts in IEEE Standard Hackathon.
 - Strengthened leadership, teamwork, and technical expertise through dual roles.
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Projects

FlowGuard - Securing Every Packet December, 2024

- IDS/IPS Benchmarking solution with visual plotting with API Integrations
- Static Deployment in cloud, vps server IDS/IPS monitoring.

Incognito Vault - Secure Web Application June 2024 - Present

- One Of the most secure web application built with Flask, customised protections from different type of hacking attacks
- Personalised dashboard which can be tailored for different needs
- Web application which can help individuals, business, enterprises for their different needs.

Mayabati - Your AI Chef (Chatbot) 2023 - April 2024

- The Mayabati project is an AI-driven culinary assistant aimed at making everyday cooking easier through tailored recipe and dietary suggestions. It already produces valuable outcomes utilizing Python along with a range of AI libraries and APIs.
- Perfect for individuals with hectic schedules, Mayabati optimizes meal planning and offers pertinent recommendations. With new functionalities introduced, it continuously adapts to improve your cooking experience.

Note: All my projects are available in my [Github Repository](#).

Education

GuruNanak Institute of Technology

- Bachelor of Computer Application 2022-Present

ST.XAVIER'S INSTITUTION

- ISC 2020 - 2022
- ICSE 2019 - 2020

Skills

Cybersecurity Tools: Burpsuit, Wireshark, CriminalIP, etc, etc.

- Ethical Hacking & Penetration Testing
- Advanced Reconnaissance Techniques
- Vulnerability Assessment & Exploit Development

Artificial Intelligence & Machine Learning

- AI Model Training & Optimization
- Prompt Engineering for AI Systems
- Natural Language Processing (NLP)

Software Development

- Full-Stack Development (Frontend & Backend)
- Proficiency in Programming Languages: Python
- Building Scalable and Secure Applications

Research & Innovation

- Cybersecurity Research & Threat Analysis
 - Designing Innovative Solutions to Technical Challenges
 - Experimenting with Cutting-Edge Technologies
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Certificates

- Ethical Hacking Essential
- Full Stack Developement

EC-Council | 2024

Internshala | 2023