

Anandshankar Iyer

📍 Hyderabad, Telangana (*Permanent*) 📍 Dehradun, Uttarakhand (*Current*)
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Objective

In pursuit of an opportunity to contribute to solving real world security issues by applying my skills in Cyber Security, Cloud Infrastructure and Digital Forensics in a forward thinking and mission driven organization.

Education

Master of Computer Applications (MCA) , UPES, Dehradun, Uttarakhand	2024–2026
Bachelor of Computer Applications (BCA) , UPES, Dehradun, Uttarakhand	2020–2023
Class XII (CBSE) , Pallavi Model School, Hyderabad, Telangana	2018-2020
Class X (CBSE) , Amrita Vidyalayam, Hyderabad, Telangana	2007-2018

Skills

Programming: Python, MySQL, DBMS, HTML , CSS, JS

Languages: English, Hindi, Telugu

Soft Skills: Teamwork, Conflict Resolution, Emotional Quotient, Public Speaking

Certifications

- **Business Analytics (Indian School of Business):** Completed coursework on applications of Generative AI and cloud models in analytics; analyzed real-world case studies and performed hands-on dataset analysis.
 - **Amazon AWS Certification:** Specialization in cloud computing.
 - **CISCO Networking Academy :** Introduction to Cybersecurity (in progress)
 - **CompTIA Security+ :** A professional and Global certification in Cyber Security and its core functions
(To be completed by November)
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Projects

- **Design and Simulation of a City Wide WAN: A Comparative Study of GNS-3, EVE-NG, and Cisco Packet Tracer**

An illustrative and comprehensive study of 3 different Emulators and Simulators, which incorporated in them, a Wide Area Network(WAN) for the purpose of providing a clear and concise choice for developing and deploying actual Networking Devices in real life scenarios and for Academic and Professional projects This project will also incorporate Cyber/Networking Security Testing once the actual network is built.

- **Crop Detection and Identification System**

Built a Python-based ML application that analyzes crop images to detect and identify crop types using advanced computer vision and machine learning algorithms; supports crop health monitoring and data-driven agricultural decisions.

Experience

IBM (International Business Machines) Project Lead

Mar 2022 – Jul 2022, India

- Worked on a Weather Life Cycle Prediction Model.
- Successfully deployed the model achieving 81% accuracy.

Srujan Social Internship (Non-profit NGO)

May 2021 – Jul 2021, India

1 Research Paper (Published)

Research Paper **Cloud Computing Security: Challenges and Solutions (Presenter)**,

MainAuthor April, 20205

- Presented a Research paper during the Student Symposium for Cyber Security and Digital Forensics
 - Conducted in-depth analysis of cloud-specific security challenges, including data breaches, insider threats, insecure APIs, and DDoS attacks.
 - Proposed and drafted robust mitigation strategies: AES-256 encryption, multi-factor authentication (MFA), secure API gateways, and Zero Trust architecture.
 - Explored emerging trends: AI-driven threat detection, blockchain for secure transactions, and homomorphic encryption for privacy-preserving data processing.
 - Assessed the impact
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Extracurricular Activities

Sports Achievements

- National Bronze Medalist, Athletics, 100m and 200m (2018 CBSE Clusters)
- State Champion (Gold), Athletics, 100m and 200m (2018)
- Army Public School “DeSportivo” Gold and Silver Medalist, Athletics, 100m and 200m (2019)
- SFA Gold Medalist, Athletics, 4x100m Relay (2019)
- SFA Bronze Medalist, Athletics, 100m and 200m (2019)