

Anushree Balaji

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About Me:

Passionate about unlocking the power of data through advanced analytics and machine learning with a cybersecurity lens. I thrive on developing innovative solutions and interactive platforms that demonstrate my expertise in Python, SQL, and predictive model building.

Education:

- **NMIMS MPSTME** – 1st Year, MBATech
CE, CGPA: 8.92
- **Ryan International School (CBSE), 12th** –
89.6%
- **P.G. Garodia School (ICSE), 10th** –
90.33%

Technical Skills:

- **Data Science & ML:** Python, Pandas, NumPy, Matplotlib, SQL, Explainable AI
- **Development:** Vue.js, JavaScript, Bootstrap, Node.js, Flask, C++, FastAPI, REST API, Tailwind CSS, MongoDB, PostgreSQL, Firebase, Vercel
- **Cybersecurity:** Network Security, Pen Testing, SQLi, Brute Force, Threat Simulation
- **Tools & Frameworks:** Nmap, Burp Suite, Hydra, Nikto, Wireshark, Metasploit, OWASP ZAP, Plotly, GitHub, Bash Scripts, Shell Scripting

Professional Experience:

Internships:

- ***Intern at Cyber Secured India:***
Cyber Security Innovation Intern
- ***Technical Developer Intern at AuracleLabs:*** A startup in EdTech.
- ***Cybersecurity Intern at WhizHack:***
Performed vulnerability analysis and security dataset visualization.
- ***Threat Prism at IStop.ai:*** Simulated threat scenarios and analyzed attack patterns using Python.
- ***IIT Madras Foundation Certification:***
Completed foundational programming and data science coursework.

Hackathons and Competitions:

- Finalist: Google Agentic AI Hackathon, Cyber Cypher (Taqneeq), IEEE TechSafar
- Participant: Adappt Ideathon (IETE), Mumbai MUN (Delegate of Australia)

Projects:

- ***Crypto-Stagenography research project:*** We're making a Stenographer with strong encryption.
- ***Retail store based research paper:***
Writing a research paper based on retail stores with special attention to the TATA group.
- ***ML Based Traffic Threat Detection Engine:*** Working on a machine learning based traffic threat detection engine.
- ***nScanner:*** Built a tool that does active scanning on domains for ports.
- ***GrabMedia:*** Made a media downloader.
- ***Community Dashboard:*** Worked on a community dashboard for communities to come and make their profile on. Version 1 is done, further versions are being worked on.

Leadership and Extracurriculars:

- Backend developer, Taqneeq (Ongoing)
- Member, IEEE Research Committee (Ongoing)
- Technical Executive, IEC (Aug 2024 – May 2025)
- Editorial Executive, 4C (Aug 2024 – Apr 2025)
- Organizing Team, Paradox of IIT Madras (Technical Festival Operations)