

JAYADITYA DEV

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OBJECTIVE

Aspiring cybersecurity professional and programmer seeking to contribute to impactful projects through skills in penetration testing, vulnerability assessment, and automation, while continuing to learn and grow within a forward-thinking organization.

SKILLS

Programming Languages	Python, C, C++, Java, Rust, DSA
Cybersecurity Skills	Penetration Testing, Vulnerability Assessment, Network Security Incident Response, Secure Programming
Tools	Git, VMs, Docker, Wireshark, Metasploit, BurpSuite, AWS (EC2, S3, Lambda)
Operating Systems	Windows, Linux (all major distributions)
Soft Skills	Leadership, Communication, Problem Solving, Teamwork, Time Management

CERTIFICATIONS

Penetration Testing, Incident Response, and Forensics IBM (Coursera)
coursera.org/verify/QWR9Z0N2R813

Foundations of Cybersecurity Google (Coursera)
coursera.org/verify/KN4D2GBJPXCL

**Java Essentials, Java OOPs Concepts, and Programming Fundamentals:
Command Line Interface & Operating Systems** Infosys Springboard
drive.google.com

PROJECTS

Rust-based Search Engine with MongoDB [July 2024 - Present]
Personal Project

- Architected a high-performance search engine using Rust and MongoDB, optimizing database queries for 40% faster response times in initial testing.
- Built a RESTful API using Actix-web to handle search queries and efficiently retrieve documents, ensuring seamless backend-to-frontend communication.
- Configured CORS policies to secure frontend-backend interactions, ensuring robust protection against cross-origin attacks during development.

Predictive Analytics for Disease Spread [Nov 2024]
College Project

- Developed a predictive model for COVID-19 daily death forecasting using a dataset of 1.05 million individuals, employing Facebook Prophet for time series forecasting.
- Preprocessed historical death data, transforming it into a suitable format for forecasting, and trained the model to predict future death trends with high accuracy.
- Visualized the forecast results with Matplotlib, providing actionable insights into future trends and supporting policy formulation.

EXPERIENCE

Freelance Security Enthusiast

[2024 - Present]

Freelancer

Remote

- Automated repetitive administrative tasks using Linux shell scripts, improving task efficiency by 30% and reducing manual intervention.
- Conducted penetration testing simulations using Burp Suite, Metasploit, and Wireshark, identifying potential vulnerabilities in mock systems and recommending mitigation strategies.

EDUCATION

Bachelor of Engineering, KS Institute of Technology, Bengaluru

Expected 2027

CGPA (Upto 2nd semester): 9.25

Class 12th, CBSE Board, SR DAV Public School, Ranchi

2023

Percentage: 84.6%

Class 10th, CBSE Board, SR DAV Public School, Ranchi

2021

Percentage: 96%

ADDITIONAL INFORMATION

Achievements

- Ranked in the top 5% globally on TryHackMe for CTF challenges.
tryhackme.com/r/p/jayadityadev

Extra-curricular Activities

- Member of the KS Institute of Technology College Table Tennis Team.
Represented the college in inter-college table tennis tournaments, demonstrating teamwork and sportsmanship.
- Interests: Playing CTFs, Guitar, Ukulele, Music, Fitness, Reading, Writing.

Languages

- English (Fluent)
- Hindi (Fluent)