

Krishna Vaibhav Yadlapalli

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SUMMARY

Competent software developer with a solid foundation in application and web development. Experienced in understanding business data requirements and translating them into technical solutions. Adept at developing strategic documents, outlining project scopes, and mapping out schedules, milestones, and required resources to meet project objectives. Capable of designing modular solutions to business problems in a collaborative and dynamic environment.

SKILLS

AWS | GCP | Python | Flask | Java | Webhooks | SQL | No SQL | Angular | React | REST APIs | React Native | Linux | GitHub | CI/CD | Java Script | TypeScript | NodeJS | Express JS | SQL | MongoDB | HTML5 | CSS3 | JUnit | Docker | Cloud Formation | Terraform | PowerShell | Bash | Hydra | Wireshark | Metasploit | DirBuster | Nessus | Nmap | Postman | Figma | Agile Development Lifecycle |

WORK EXPERIENCE

Programmer Analyst Trainee | Cognizant | India

Mar 2022 – Oct 2023

- Trained on Full Stack Web Development on **Angular** Framework with JavaScript and Bootstrap.
- Achieved ServiceNow System Administrator certification, enhancing platform proficiency and enabling the team to resolve incidents 40% faster and cut ticket backlog by 25%.
- Engineered a furniture e-commerce website, enhancing user experience with a user-friendly Home Page using Bootstrap on a React framework
- Designed and managed REST API endpoints to efficiently provide necessary information for the front-end interface, resulting in faster data retrieval times.
- Implemented JSON Web Tokens (JWT) and applied cryptography methods to enhance the application's security, leading to a noticeable decrease in security incidents.

PROJECTS

GoDine: Where Flavor Meets Reservation

[View GitHub](#)

- Developed a full-stack web application using **React Library**, **NodeJS**, **MongoDB**, and Bootstrap.
- Engineered backend services using NodeJS and **Express JS**, ensuring efficient database interactions with MongoDB for optimal data management and query performance.
- Utilized search engine optimization at every level of the web application, enhancing the site's visibility and reach.
- Ensured data accuracy and provided analysis to deliver insights on user behavior.

File Share: Sharing Made Easy

[View GitHub](#)

- AWS Deployed and built a platform to facilitate quick and easy file sharing.
- Developed the front end using React, and the back end using Flask supporting over 1,000 users.
- Deployed AWS services including EC2, VPC, DynamoDB, S3, API Gateway, SNS, and AWS Backup, which improved data availability by 99.9%.
- Utilized CloudFormation for easy deployment reducing setup time by 50%.

ActicClass

[View GitHub](#)

- Constructed a cross-platform mobile application that uses GPS to gamifies class interactions with attendance tracking.
- Created the app using React Native for Android and iOS platforms, increasing student participation.
- Created over 150 test cases with over coverage above 90% using **Junit**.
- Streamlined CI/CD pipelines for the product, accelerating development cycles by 25%

Web Application Penetration Tool Kit

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- Security Vulnerability Identification: Detects the top 10 OWASP security vulnerabilities, Open Redirect, Cross-Origin Resource Sharing (CORS), Host Header Injection, CMS Detection, and Brute Force attacks.
- Information Gathering: Performs extensive information gathering with capabilities such as Nmap scanning, port scanning, reverse IP lookup, subdomain enumeration
- Enhances web application security by identifying critical vulnerabilities.
- Provides comprehensive information gathering for better security assessment.
- Programming Language: Python

Decentralized Voting System

Developed a secure voting system leveraging blockchain technology, coded in Python using libraries such as Cryptography, OS, JSON, Random, and Time.

- Decentralized Voting: Each vote is treated as a transaction within decentralized blocks, ensuring transparency and security.
- Security: Implemented public key and digital signature generation using Cryptography libraries to provide users with private keys, preventing vote manipulation.
- Programming Language: Python
- Libraries: Cryptography, OS, JSON, Random, Time
- Ensures a secure and tamper-proof voting process.
- Utilizes blockchain technology for enhanced transparency and trustworthiness in the voting system.

ACHIEVEMENTS/AWARDS

- Completed 59 Rooms on TryHackMe.com and Ranked in the top 2%. [View Profile](#)
- Earned Unix, PCAP, Android, and Recon Badges and solved 120 exercises on PentesterLab.com

CERTIFICATIONS

- Security Intelligence Engineer – Explorer Award (IBM)
- Cybersecurity Roles, Processes & Operating System Security (IBM)
- Certification of Splunk Fundamentals (by Splunk Official).
- Certification of Ethical Hacking (by Internshala).
- ServiceNow Certified Administrator
- Java Programming: Solving Problems with Software from Duke University (by Coursera)
- Python Data Structures from the University of Michigan (by Coursera)

EDUCATION

Masters in Applied Computer Science (MACS)

Dalhousie University (Canada)

Sep 2023 - Jan 2025

(GPA – 3.98/4.3)

Relevant Courses: Adv Topics in Network Security, Adv Topics in Cloud Computing, Advanced Topics in Software Development, Adv Topics in Web Development, Communicating CS Ideas, Advanced Cloud Architecture

Bachelor of Engineering in Computer Science (Hons.) Information Security

Chandigarh University (India)

Jun 2018 - Jul 2022