

KRISHNA VAIBHAV YADLAPLLI

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PROFESSIONAL SUMMARY

Computer Science Master's candidate with a strong background in software engineering, cybersecurity, and modern web technologies. Proven experience in developing, securing, and optimizing applications, with expertise in full-stack development and cloud computing. Successfully collaborated with cross-functional teams to deliver high-quality software solutions.

CERTIFICATIONS

- ServiceNow Certified Administrator
- Security Intelligence Engineer – Explorer Award (IBM)
- Cybersecurity Roles, Processes & Operating System Security (IBM)
- Java Programming: Solving Problems with Software from Duke University (by Coursera)
- Unix, PCAP, Android, and Recon Badges (PentesterLab)
- Python Data Structures from the University of Michigan (by Coursera)

SKILLS

- **Programming Languages:** Python, Java, JavaScript, SQL, Bash
- **Frameworks:** React JS, React Native
- **Tools:** AWS, Docker, Kubernetes, Splunk, Nmap, BurpSuit, WireShark, Metasploit.
- **Platforms:** Windows, Linux, Mac.

PROFESSIONAL EXPERIENCE

COGNIZANT TECHNOLOGY SOLUTIONS

Hyderabad, India

Programmer Analyst Trainee (Internship)

March 2022 – October 2022

- Trained on Full Stack Web Development on React Framework along 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%

Projects

Furniture E-Commerce Website

- 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 provide necessary information for the front-end interface, reducing data retrieval times by 15%.
- Implemented JSON Web Tokens (JWT) and applied cryptography methods to enhance the security of the application, decreasing security incidents by 30%.

PROJECT EXPERIENCE

GODINE - UNIVERSITY PROJECT ([VISIT WEB SITE](#)) ([GIT HUB](#))

March 2024

- Developed a full-stack web application using React Framework, NodeJS, MongoDB, and Bootstrap.
- Implemented JWT token and cryptography methods for secure user authentication and data protection, and integrated React's protected routes to ensure access control and user authorization, improving user access security by 20%.
- Enhanced user experience by implementing features for booking restaurant reservations, managing profiles, and exploring restaurant options, leading to a 40% increase in user engagement.

FILESHARE (AWS DEPLOYED)- UNIVERSITY PROJECT

March 2024

- Built a platform to facilitate quick and easy file sharing.
- Developed the front end using React, and the back end using Flask with aws-sdk, 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 and modifying configuration of the setup, reducing setup time by 50%.

ACTICCLASS - UNIVERSITY PROJECT ([GIT HUB](#))

December 2023

- Constructed a cross-platform mobile application that gamifies class interactions with attendance tracking using GPS.
- Created the app using React Native for both Android and iOS platforms, increasing student participation.
- Implemented NoSQL database, JWT token, and protected routes, enhancing data security and integrity by 25%.

EDUCATION

DALHOUSIE UNIVERSITY

Masters of Applied Computer Science

Halifax, NS

2023 - 2024

CHANDIGARH UNIVERSITY

Bachelor of Engineering, Major in Computer Science; Honors in Information Security

Mohali, India

2018 - 2022