

N V K JASWANTH SRIGHAKOLLAPU

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SKILLS

- Languages:** C/C++, HTML, CSS, JavaScript(intermediate), python(basic), MySQL.
- Security and Networking:** networking (TCP/IP, DNS), cybersecurity tools (Wireshark, Nmap), secure coding.
- Version Control & Tools:** Git, GitHub.
- Soft Skills:** Problem-solving, Team Collaboration, Adaptability, Innovative thinking, Strong team player with adaptability and a quick learning mindset of UI/UX Principles.
- Coursework:** Database Management System, Object-Oriented Programming, Software Development, Computer Networks, Operating Systems, Data Structures, and Algorithms.

EXPERIENCE

Summer Training in Data Structures & Algorithms | Board Infinity May 2024 – July 2024

- Implemented data structures in real-world projects, optimizing performance and enhancing handling large-scale data practical application skills.
- Solved 100+ complex problems using fundamental and advanced data structures, gaining hands-on experience in efficient problem-solving.
- Improved algorithm efficiency by 30-50%, focusing on time and space optimization for scalable solutions.

PROJECTS

Instagram Automation Bot (Python) Dec 2024 – Jan 2025

- Built a Python Selenium bot for automating likes, shares feed, and comments, boosting task execution speed by **50%**. Implemented bot detection bypasses using random delays and user-agent rotation.
- Integrated proxy support for anonymity, reducing rate-limiting issues by 40%, ensuring seamless large-scale automation.

Tech Stack: Python, Selenium, BeautifulSoup, Proxy Servers.

Library Management System (C++ & DSA) Mar 2024 – July 2024

- Enhanced a console-based library management system, enabling 100+ book entries with features like book addition, deletion, searching, and issuing. Implemented data structures such as queues, and stacks for 30% faster query processing.
- Tech Stack:** C++, Data Structures & Algorithms

Travel App UI/UX Design Aug 2024 – Dec 2024

- Designed an intuitive and user-friendly travel application UI, focusing on seamless navigation and engaging user experience. Conducted user research to optimize wireframes and prototypes for better usability.
- Developed high-fidelity UI mockups and interactive prototypes using Figma, reducing design iteration time by 40%.

Tech Stack: Figma, Adobe XD, UI/UX Design Principles.

CERTIFICATES

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|--------------------------------|----------------------|
| NPTEL- Cloud Computing | July 2024 – Oct 2024 |
| Cyber Incident Response | Sep 2023 – Nov 2023 |
| Cipher Schools (HTML, CSS, JS) | Sep 2022 – Jan 2023 |
| Deep Learning AI by Coursera | Sep 2023 – Jan 2024 |

ACHIEVEMENTS

- Algorithm Enthusiast – 1700+ Rated on LeetCode**
Consistently solved challenging problems on LeetCode, maintaining a 1700+ rating in weekly contests.
- Published Research on Cybersecurity**
Co-authored a paper on "Cryptography and network security" in a Competitive event, focusing on strategies to mitigate Cipher attacks.
- Secured Top 5% Rank in TryHackMe**
Earned a high global rank on TryHackMe by solving advanced cybersecurity challenges, including penetration testing, network analysis, and cryptography.

EDUCATION

- Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.50 Since August 2022
- Bhashyam Institute of School** Guntur, Andhra Pradesh
Intermediate; Percentage: 95% Jun 2019 - Jul 2021
- Bhashyam School** Est.Gdv, Andhra Pradesh
Matriculation; Percentage: 93.5% Jun 2018 - Apr 2019