

A.K. HARSHA VARDHAN

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PROFESSIONAL SUMMARY

Junior IT student with an interest in software development and web technologies. Learning and gaining experience in C++, Python, and JavaScript through academics and personal projects. Seeking an Internship to gain hands-on experience and grow as a software engineer.

EDUCATION

Aditya University

Information Technology; CGPA 8.49/10.00

Jan 2023 — Apr 2027

Kakinada, AP

Coursework: Operating Systems, Data Structures and Algorithms, Database Management Systems, Programming in Java

Narayana Junior College

Intermediate (Maths, Physics, Chemistry); Score:90.5% / 100%

Jun 2021 — May 2023

Vijayawada, AP

SKILLS

Programming Languages

C, C++, Python, Java, React , JavaScript, SQL, HTML/CSS

Web Technologies

React, RESTful API, MySQL, PostgreSQL, Git, Github, Linux

Other Tools and libraries

Tkinter, Pillow, OpenCV, Arduino Uno.

WORK EXPERIENCE

Frontend Developer

Technical Hub - Aditya University

May 2025 - Present

Kakinada, AP

- Developed a web platform, **SkillHance**, to guide engineering students with resources on branches, coding fundamentals, programming languages, and career pathways.
- Implemented interactive features including subject overviews, quizzes, and study-abroad guidance modules with enhance user engagement.
- Applied frontend Technologies like **React**, **HTML**, **CSS** for responsive and user-friendly interface and collaborated with peers and mentors to refine features, triage issues and improve platform usability.
- Gained hands-on experience in frontend development workflows, version control and deployment.

Cyber Security Intern

Supraja Technologies

May 2025 - Jun 2025

Vijayawada, AP

- Built **desktop Application** with a custom GUI using **Tkinter and Pillow**, integrating built-in camera functionality with **OpenCV**.
- Implemented email automation features by leveraging smtplib and SSL, enhancing the application's communication capabilities.
- Gained hands-on experience with security tools such as Burp Suite, Nmap, Wireshark, while utilizing Kali Linux commands and utilities for network and vulnerability analysis.

PROJECTS

AI Connect (Github Link)

Jun 2025 - Aug 2025

- Implemented '**AI Connect**', a centralized web platform featuring a dynamic, card-based UI to provide students with curated AI tools, practical use-cases, and real-time industry news.
- Developed and integrated a key module allowing users to create and configure personalized AI agents, leveraging REST APIs for task automation and to deliver up-to-date content.
- Tech Stack: HTML, CSS, JavaScript, REST APIs.

Placify (Github Link)

Jun 2025 - Aug 2025

- Built a career-readiness platform by developing a front-end that efficiently tracks student placements and centralizes access to curated professional development courses.
- Implemented an intelligent agent that leverages real-time API calls to automatically fetch and deliver personalized interview materials, company-specific roadmaps, and instant job/internship updates.
- Tech Stack: HTML, CSS, JavaScript, REST APIs.

Maze-solver (Github Link)

Mar 2025 - Apr 2025

- Designed and implemented an autonomous maze-solving robot by implementing the FloodFill algorithm in C++, enabling efficient, real-time calculation and navigation of the shortest path.
- Integrated a multi-sensor array, including ultrasonic sensors and a servo motor, for robust obstacle detection and optimized the hardware stack for superior navigational control.
- Tech Stack: C++, Arduino IDE, IoT Tools