

# RISHWANTH VALLALA

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## EDUCATION

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### Vasavi College of Engineering

Bachelor of Engineering in Information Technology

Hyderabad, India

2021 – Expected 2025

### Sri Chaitanya Junior College

Telangana State Board of Intermediate

Hyderabad, India

2019 – 2021

## EXPERIENCE

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### Software Engineer Intern

Unistring Tech Solutions Pvt. Ltd

Sept 2023 - Jan 2024

Hyderabad, India

- Designed Python client-server app using TCP for USB access management; enhanced security by blocking unauthorized USB devices.
- Implemented VID/PID whitelist system for authorized microcontroller connections managing 500+ authorized devices.
- Deployed USB management solution on 50% of company systems, reducing unauthorized access incidents by 30% within the first month.
- Ensured background execution with administrative privileges, handling 1000+ requests/second in load testing.

## PROJECTS

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### Any Scrape

Node.js, Next.js 13, TypeScript, Tailwind CSS, Fine-tuned LLaMA-3, Firebase, Python

Mar 2024 - July 2024

[Hosted](#)

- Developed universal web scraper powered by fine-tuned LLaMA-3 model, extracting data from any URL
- Built a **SaaS platform** with **100+ monthly active users**; integrated API authorization for secure access.
- Incorporated support for multiple output formats (JSON, Markdown) with capacity to handle 1000+ requests/second
- Devised a 3-tiered subscription model; leveraged Firebase and Netlify for scalable deployment.

### Dijkstra's Algorithm Visualizer

Spring Boot, Java, HTML/CSS, JS, Docker, Google Maps API

Feb 2023 - Mar 2023

[Github](#) [Hosted](#)

- Engineered an interactive map for visualizing the Dijkstra's algorithm across the Indian map.
- Used by the college professors to help student's understanding of the algorithm through interactive visualization.

### Saved Prompts

Html, JavaScript, Chrome Extension APIs

Dec 2022 - Jan 2023

[Github](#) [Hosted](#)

- Created a browser extension facilitating seamless organization, and retrieval of High quality ChatGPT prompts
- Published the extension gaining **2000+ users** and a **4.8/5** star review on the Chrome Web Store.

### [View More](#)

## SKILLS

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**Languages:** C, C++, Java, Python, SQL, JavaScript, Typescript, HTML/CSS

**Frameworks & Technologies:** Django, React, Node.js, Next.js, Express.js, Spring Boot, Firebase

**Databases:** MySQL, MongoDB, Firestore, Redis, AWS S3

**Developer Tools:** Git, Docker, Google Cloud Platform, Selenium, Visual Studio, Unity

## CERTIFICATIONS

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**CS50x** by Harvard University

**Enterprise Networking, Security, and Automation** by Cisco

**Programming, Data Structures And Algorithms Using Python** by NPTEL

**Machine Learning Foundations** by AWS Academy

## POSITIONS OF RESPONSIBILITY

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**Web Developer**, DSAC (Data Structures Club), VCE

**Head of Marketing**, Suruchi (Fashion club), VCE