

# Venkatesh Suravarapu

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[Github](#) | [Linkedin](#) | [Twitter](#) |

## SKILLS

**Programming Languages** TypeScript | Java | Python | C | JavaScript | SQL | Lua | Bash |

**Technologies** AWS BS//ELB | Kubernetes | Docker | React.js | Next Js | Node Js | Redis | PostgreSQL | Tailwind CSS | Arch

## EXPERIENCE

### Open Source Contributions

May 2023 - Mar 2024

Full Stack Developer

India

- Contributed to the development of a **Full-stack e-commerce platform**, focusing on both front-end and back-end functionalities, enhancing user experience and transaction flow
- Gained hands-on experience in **cloud technologies** and real-world applications through a 2-month internship, mastering **Google Cloud** tools via the Google Arcade program.
- Built and managed a **Youtube channel** focused on Linux, emerging technologies, and coding tutorials, delivering valuable educational content to a growing community.

## NOTABLE PROJECTS

### Pay Wallet /Transaction App - [LINK](#)

May 2024 - July 2024

Full Stack Developer

Kakinada, AP

- Built an open-source web application that performs advanced Backend Transaction calculations for options deposit, credit and transfer payment, focusing on simplicity and accessibility.
- Front and back-end development using the **React** and **NextJS** (Auth) frameworks, respectively. These services were containerized using **Docker Compose** to enable scalability in the software architecture.
- Integrated secure user authentication and authorization mechanisms using **JWT(JSON Web Tokens)** and ensuring user data protection and secure transactions by NextAuth

### Blog Site/ Medium - [LINK](#)

Feb 2024 - Apr 2024

Full Stack Developer

Yanam, PY

- Built the user interface using **ReactJS** and **TailwindCSS**, taking advantage of component-based architecture to create a dynamic and easily maintained frontend.
- Managed database interactions using **Prisma** as the **ORM** with connection pooling, connected to a Postgres database, and implemented secure **JWT-based authentication** to protect user data and manage access control.
- Utilized **Zod** for validating input data and inferring TypeScript types, ensuring both data integrity and seamless integration with TypeScript, enhancing overall type safety.

### Sopran/ Social Profile Analyser

Aug 2024 - Sep-2024

Full stack Team Lead

Yanam, PY

- Led a team of developers to build a **responsive design** for 'Sopran', utilizing **Next.js**, **Node.js**, and **TailwindCSS** for seamless and modern user interfaces.
- Integrated Secure Authentication of robust **sign-up system**, leveraging-standard security practices and ensuring seamless user onboarding
- Optimized Performance & Scalability using **Cloudflare** for enhanced website performance and scalability.
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## EDUCATION

### Bachelor of Engineering - Computer Science

Oct 2022 - Apr 2026

Pragati Engineering College (8.6 CGPA)

Surampalem, AP

### Jawahar Navodaya Vidyalaya - MBipc

July 2020 - Apr 2022

JNV YANAM (85.6%)

Yanam, PY

## ACHIEVEMENTS

- CS50 Certified:** Earned Certification from Harvard University's CS50 in Python and Computer Science and Programming.
- Open-Source Development:** Certified by the Linux Foundation, showcasing proficiency in Open-source Development practices.
- DevOps Certified IBM:** Gaining in depth knowledge of CI/CD, automation, and infrastructure as (IaC).