

# TATIPARTHI AKASH REDDY

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LinkedIn

GitHub

## PROFESSIONAL SUMMARY

A highly motivated and detail-oriented software engineering student with practical experience in application development. Skilled in problem-solving, team collaboration, and creating innovative solutions to enhance user experiences.

## EDUCATION

Vellore Institute of Technology, Chennai

2021 – 2026

Mtech Integrated Software Engineering - **CGPA - 9.0**

Chennai, TamilNadu

Sri Viswasanthi Junior College, Vijayawada

2019-2021

Intermediate - **Percentage - 95.6**

Vijayawada, Andhra Pradesh

Sri Chaitanya School, Dachepalli

2019

Secondary Education - **GPA - 9.5**

Dachepalli, Andhra Pradesh

## COURSEWORK / SKILLS

- **Languages:** Java , C++ , Python , JavaScript , Ruby , SQL
- **Frameworks:** Selenium , Flask , Streamlit
- **Platforms and Tools:** AWS , Jupyter Notebook , Visual Studio Code , Android Studio , GitHub , Unity
- **Soft Skills:** Communication, Teamwork, Problem-Solving, Leadership

## PROJECTS

### Renewable Energy Awareness Website – Tamil Nadu

February 2025-Present

- This platform aims to showcase Tamil Nadu's remarkable progress in renewable energy adoption.
- Educates people about renewable energy technologies in use.
- Promotes community participation in green initiatives.

### Real Time Voice Translation for Regional Languages

August 2024-December 2024

- Developed a Real-Time Voice Translation system for regional languages on phone calls.
- Implemented ASR, MT, and TTS technologies to enable seamless communication between speakers of different languages.
- Ensured real-time translation with minimal latency, preserving the original speaker's tone and intent.

### FullKart

August 2024-Present

- Created the "FullKart" system to replace traditional barcode scanning with image-based product detection using YOLO model.
- Implemented a solution using Raspberry Pi and an external camera for real-time product identification and billing.
- Generated customer bills in PDF format, streamlining the checkout process and improving efficiency.

### Wheelzy

May 2023-July 2023

- Developed "Wheelzy" a bike rental application for self-driven rentals including scooters, sports bikes, and touring bikes.
- Enabled daily rentals with an option for insurance coverage, enhancing customer flexibility and security.
- Designed a user-friendly platform to streamline the rental process and manage various bike types efficiently..

### Metro Go

August 2022-November 2022

- The Metro GO application is designed to provide a seamless experience for users who wish to utilize metro facilities in multiple cities across India.
- Its user-friendly interface and powerful technology make booking tickets fast and easy.
- The application is built using HTML and CSS for front end design and MySQL and Java for back end development.
- user can able to view and book tickets from five metros across India through one platform.

## WORK EXPERIENCE

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### CodSoft

August 2023-September 2023

*App Developer Intern*

- Completed an internship as an Android Developer, creating three functional apps: a Notification Generator, a To-Do App, and a Quote of the Day App.
- Developed user-friendly interfaces and implemented core functionalities to enhance user engagement and productivity.
- Gained hands-on experience in Android development and application lifecycle management.

### Linux Club, VIT Chennai

February 2023-May 2023

*Design Team Member*

- Served as a Design Team Member for the Linux Club, responsible for creating social media posts and contributing to various hackathons.
- Developed skills in task management, communication, and team building through active participation and collaboration.
- Gained hands-on experience in design and event coordination within a university club setting.

## CERTIFICATES

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### AWS Certified Cloud Practitioner

Amazon Web Services

*Certification Link*

*December 2023*

- Gained foundational knowledge of AWS cloud concepts, services, and best practices.
- Learned to define AWS Cloud and its global infrastructure, and understand core AWS services and their use cases.
- Acquired skills in AWS pricing, billing, and support plans, as well as basic security and compliance aspects of AWS.

### HackerRank SQL (Basic)

HackerRank

*Certification Link*

*August 2022*

- Demonstrated proficiency in SQL basics, including querying databases, data manipulation, and database management.
- Learned to write efficient SQL queries and perform basic data analysis and reporting.