Tatiparthi Akash Reddy

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PROFESSIONAL SUMMARY

A highly motivated and detail-oriented software engineering student with hands-on experience in Android development, Web Development and real-time voice translation systems. Proven ability to manage projects from inception to completion, with strong skills in communication, team collaboration, and problem-solving. Passionate about leveraging technology to create innovative solutions and improve user experiences.

EDUCATION

Vellore Institute of Technology,Chennai   **2021 − 2026**
Mtech Integrated Software Engineering - **CGPA - 8.97**   *Chennai, TamilNadu*

Sri Viswasanthi Junior College,Vijayawada   **2019-2021**
Intermediate - **GPA - 9.5**   *Vijayawada, AndhraPradesh*

Sri Chaitanya School,Dachepalli   **2019**
Secondary - **GPA - 9.5**   *Dachepalli, AndhraPradesh*

COURSEWORK / SKILLS

- **Languages:** Java,C++,Python,Javascript,Ruby

- **Frameworks:** Selenium

- **Tools:** MySQL,PowerBI,Canva

- **Platforms:** AWS,Jupyter Notebook,Visual Studio Code,Android Studio

- **Soft Skills:** Communication, Teamwork, Problem-Solving, Leadership

PROJECTS

Real Time Voice Translation for Regional Languages ⬀   **August 2024-Present**
- 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.

The Full Kart ⬀   **August 2024-Present**
- Created the "TheFullKart" 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

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

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.