

SUMIT TELI, M.SC.

Full Stack Developer | AI Tool Specialist | Python Developer

+1 909-331-5111 | Ontario, CA | teli.sumitme@gmail.com | <https://www.linkedin.com/in/telisumit>

PROFESSIONAL SUMMARY

A results-driven Full Stack Developer and AI enthusiast with expertise in Python, web technologies, and machine learning. Proven experience in developing AI-driven tools, including founding an AI startup focused on real-time sign language translation. Skilled in full-stack development (React, Vue.js, Node.js) and backend API integration (FastAPI, Flask). Passionate about solving complex problems and contributing to innovative projects at the intersection of AI and web development. Currently pursuing a Master's in Computer Science to further enhance technical expertise.

AREAS OF EXPERTISE

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|--------------------------|----------------------------|-----------------------|
| • Full Stack Development | • Python & SQL Programming | • Project Management |
| • Web Technologies | • Database Management | • Machine Learning |
| • Data Visualization | • Real-Time Processing | • API Development |
| • React Vue.js | • Performance Optimization | • AI Tool Development |

PROFESSIONAL EXPERIENCE

Founder & Lead Developer | September 2022 – June 2024

The Sign Language to Text and Speech Converter (Startup), Ahmedabad, India

Founded and led a startup to develop an AI-driven Sign Language to Text and Speech Converter, securing funding and utilizing computer vision for real-time gesture recognition. Delivered a functional product that bridges communication gaps for individuals with hearing impairments.

- Led a pioneering startup project focused on creating a Sign Language to Text and Speech Converter, addressing communication barriers for individuals with hearing loss.
- Secured 10,000 dollars in funding to propel the project forward, demonstrating strong fundraising and project management abilities in a startup environment.
- Developed leadership skills while spearheading the creation of an AI-driven solution for real-time translation of diverse sign languages into text and speech.
- Leveraged Google's MediaPipe Library, applying advanced computer vision models for gesture recognition to enable accurate interpretation of sign language gestures.
- Built a fully functional demo that accurately recognizes American Sign Language (ASL) alphabet gestures, showcasing the project's potential for real-time communication.
- Engineered a beta version that seamlessly converts recognized gestures into words, enhancing the flow of conversation for users relying on sign language.
- Implemented a text-to-speech solution that enhances communication by audibly relaying words, making the technology more accessible to users with hearing impairments.

Full Stack Developer | January 2024 – June 2024

Allevents Information Pvt. Ltd., Ahmedabad, India

- Resolved 10+ critical bugs, enhancing user interface and data integrity, resulting in a more stable website and improving user satisfaction and system reliability.
- Maximized website performance, cutting loading times by 30% by optimizing front-end assets, reducing latency, and improving overall user experience.
- Incorporated 5+ Vue.js components to elevate interactivity and user experience, resulting in a more dynamic and responsive web application.
- Refined website accessibility and SEO strategies, boosting organic traffic by 20%, contributing to increased site visibility and user engagement.
- Developed an advanced affiliate dashboard utilizing 10+ internal APIs, streamlining tracking processes and replacing inefficient Excel systems.
- Configured MongoDB with PHP, executing CRUD operations for streamlined functionality, ensuring seamless data management and efficient system operations.

Web Developer | July 2023 – August 2023

TatvaSoft: Software Development Company., Ahmedabad, India

- Built a Bookstore Management web app with ReactJS, improving user experience and interface.
- Designed secure registration/login features, ensuring data protection with best practices.
- Developed an admin panel and streamlined cart/checkout system, optimizing management and user purchase flow.
- Integrated search and filtering features, boosting user interaction and browsing experience.

EDUCATION

Master in Computer Science, California State University, Long Beach

Bachelor of Engineering in Computer Engineer, Gujarat Technological University, Gujarat, India [3.96/4.00 GPA]

Diploma in Computer Engineer, Gujarat Technological University, Gujarat, India [3.56/4.00 GPA]

TECHNICAL SKILLS

Programming Languages: Strong command of Python, JavaScript, SQL, PHP, and C/C++ for full-stack development, data manipulation, and AI tool development.

Web Technologies: React, Vue.js, Node.js, HTML, CSS, FastAPI and RestfulAPI for building scalable and interactive web applications.

Machine Learning: Classification, regression, data visualization, and real-time processing using advanced ML techniques..

Tool Proficiency: Experienced in Git, GitHub, MongoDB, VS Code, Anaconda, PyCharm, MS Office, and Microsoft Azure for development and collaboration.