

# THOTA MOHANA NAGA VENKATA KALICHARAN

Aspiring Software Developer

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## SUMMARY

Self-motivated and tech-driven programmer with strong foundational knowledge in multiple programming languages. Passionate about solving real-world problems using web technologies and system-level programming. Experienced in leading academic project teams and delivering impactful prototypes.

## EXPERIENCE

### Project Lead-University Projects

[Lovely Professional University](#)   2023 - Present   Punjab, India

A premier Indian university focused on innovation, research, and practical tech-driven education

- Led a university-based project team to design and deploy real-time software systems. Responsible for planning, development, and integration across full-stack environments.

Project name	Description
Real-Time Road Surveillance and Emergency Alert System	<p>A real-time safety monitoring solution designed to detect road incidents and immediately trigger emergency alerts. Integrated with mapping APIs and sensor data to provide live location tracking and quick emergency response mechanisms.</p> <ul style="list-style-type: none"><li>Built using Python, Streamlit, and Google Maps API</li><li>Enabled GPS-based alert triggering with real-time detection</li><li>Useful for accident-prone or remote highway areas</li></ul>
Custom Browser	<p>A desktop-based browser developed from scratch with essential features such as tabbed browsing, history tracking, and a clean UI. Designed to mimic lightweight browsing behavior for personal or educational use.</p> <ul style="list-style-type: none"><li>Built using HTML, CSS, JavaScript</li><li>Supports navigation controls, history logging, and multiple tabs</li><li>Focused on performance, user control, and minimalist design</li></ul>

## EDUCATION

### B.Tech in Computer Science

[Lovely Professional University](#)   2023 - Present

### Intermediate (10th–12th)

[Rajiv Gandhi University of Knowledge and Technologies \(RGUKT\)](#)

2021 - 2023

### SSC (Up to 10th Grade)

[Little Buds High School](#)   2009 - 2021

## KEY ACHIEVEMENTS

- Academic Highlights**  
Completed multiple certified courses from Google, IBM, and top universities
- Research Paper Publication**  
Published academic paper cited by scholars.
- Project Leadership**  
Led 2 academic projects, delivering prototypes used by students.

## SKILLS

HTML	CSS	JavaScript	Python	C
C++	Java	Git	GitHub	VS Code

## COURSES

- Digital Systems: From Logic Gates to Processors (University of Autonomia de Barcelona)
- Fundamentals of Network Communications (University of Colorado System)
- Introduction to Hardware and Operating Systems (IBM)
- The Bits and Bytes of Computer Networking (Google)

## INTERESTS

Full-Stack Web Development  
Generative AI