

# UMAIYAVAN T

## Web Developer and AI Automation Engineer

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### PROFESSIONAL SUMMARY

A passionate IT undergraduate eager to learn and build real-world solutions. Curious and motivated, with hands-on experience in web development and automation using Python and Flask, and a strong desire to grow through practical industry experience.

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### EDUCATION

Under graduate - B.Tech Information Technology at SRM Easwari Engeneering College | 2024-2028

XII - Chettinad Vidyashram | 2023-2024 | 76.4%

X - Chettinad Vidyashram | 2021-2022 | 72.4%

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### MY PROJECTS

#### Grid - The Local Internet [Github](#)

Grid is a cross-platform desktop application which works on the principle of sockets on the local network. A sophisticated local network communication platform enabling seamless collaboration without internet dependency. Built as a desktop application using Electron framework with real-time capabilities through Socket.IO.

- Key features: Real-time Communication System along with File sharing capabilities.
- Screen Sharing & Remote Control.

#### Prof. Sensei - AI Microlearning Assistant [Github](#)

A lightweight Java + HTML/JS platform that utilises Gemini AI to learn concepts in a bit-sized lesson.

- Key features: Multi-mode learning, progress dashboard and file-based persistence.
  - Under the hood: Built with pure Java using `com.sun.net.httpserver`; frontend implemented in vanilla HTML/CSS/JavaScript; uses in-memory data backed by JSON file storage.
  - Impact: Improved study efficiency by automating the creation of microlearning materials and enabling learners to quickly absorb, review, and track mastery of new topics.
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### SKILLS

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|----------|--------------|-------------|--------------|-------------------|
| • Python | • HTML/CSS   | • REST APIs | • Java       | • Problem-solving |
| • Flask  | • JavaScript | • SQLite    | • Automation | • Communication   |