



SUMMARY

Computer Engineering student with a strong track record of academic excellence and practical experience in programming language development, web development, and software engineering. Proven ability to lead and contribute to team projects, and to deliver high-quality results under pressure.

EDUCATION

MIET

Computer Engineering
2021 – 2025

Vardhman Academy, (CBSE)

XII (CBSE) | 2020
90.8%

X (CBSE) | 2018
93.4%

SKILLS

- **Programming Languages:** JavaScript, Java, C, C++, Python
- **Web Technologies:** Node.js, Express.js, MongoDB, HTML, CSS, React, EJS, Three.js
- **Operating Systems:** Linux, Windows
- Ability to work independently and as part of a team
- Exceptional communication and interpersonal skills

ACHIEVEMENTS

- Created a custom programming language.
- Developed an interpreter for the custom programming language.
- Successfully solved over 350 problems on LeetCode.
- Secured victory in multiple coding competitions.

ACADEMIC PROJECTS

Programming Language Development

[\[Github-Link\]](#) [\[Website-Link\]](#)

- Created a custom programming language with support for basic operations, loops, conditionals, functional, and object-oriented programming.
- Developed an interpreter for the language.
- Designed and implemented a tokenizer and parser, demonstrating expertise in language development.

Integrated Learning Platform (ILP)

[\[Github-Link\]](#)

- Created a web-based Integrated Learning Platform (ILP) with a real-time code editor for HTML, CSS, and JavaScript.
- Enhanced the ILP with project showcases, peer learning, Plagiarism Detection, and monetization potential, utilizing HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, EJS, ACE Code Editor, GSAP, Prettier, and OpenAI in the tech stack.

Interactive Typing Skill Development Platform

[\[Github-Link\]](#) | [\[Website-Link\]](#)

- Led the development of an interactive touch typing web app, incorporating college course notes and custom content for practice.
- Engineered a competitive environment with leaderboards and an adaptable typing algorithm, optimizing user experiences across diverse content and screen sizes. Tech stack includes HTML, CSS, JavaScript, MongoDB, Express.js, Node.js, and EJS.

Language Conversion Tool

[\[Github-Link\]](#)

- Developed a code converter project using OpenAI API to facilitate seamless code conversion between programming languages.