

# Ashwin Hariharan

+91 7395969216 | [Gmail](#) | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

## SUMMARY

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Third-year Computer Science student at Shiv Nadar University, Chennai with a strong interest in web application development and applied machine learning.

Hands-on experience with neural networks and ML models, with a focus on building practical solutions.

Eager to contribute to real-world projects and passionate about learning new technologies and staying current with industry trends.

## EDUCATION

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### Shiv Nadar University, Chennai

Chennai, TN

*B.Tech in Computer Science Engineering(IoT) — 7.906 CGPA*

*August 2023 – May 2027(expected)*

### Velammal Vidhyashram Mambakkam

Chennai, TN

*Class 12 — 90.6 percentage*

*April. 2022 – March 2023*

## PROJECTS

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### E-commerce Web Application (Frontend) | *HTML, CSS*

October 2024

- Designed and implemented a visually appealing homepage for an e-commerce web-app using HTML and CSS.
- Developed key UI components including a navigation bar, search functionality, product display grids, promotional banners, and a detailed footer layout.
- Structured the codebase with semantic HTML and reusable CSS classes to enhance maintainability and scalability.
- Focused on modern design, intuitive user experience to replicate real-world e-commerce standards.

### Video Skeletonizer | *Python, OpenCV*

March 2024

- Developed a Video Skeletonization Program using Python and its libraries such as OpenCV, Matplotlib, NumPy, and Pandas.
- Implemented real-time movement tracking and logic to accurately count the number of pull-up repetitions performed by a person in a video.

### Smart Door | *Arduino*

March 2024

- Built a motion detecting Smart Door using Arduino UNO microcontroller, Servo Motor which automatically opens when motion is detected within a range

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, JavaScript

**Databases:** MySQL, PostgreSQL, MongoDB

**Web Frameworks:** HTML, CSS, React.js, Node.js

**Developer Tools:** Git(GitHub), Jupyter Notebook, VS Code, IntelliJ

**Libraries:** Pandas, NumPy, Matplotlib, Keras

**Operating Systems:** Linux, Windows

## CERTIFICATIONS

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### Advanced Certification in Data Science and AI

*IIT Madras (In Progress)*

- Covering core concepts in machine learning, deep learning, and data analytics through hands-on coursework and real-world projects.
- Focused on statistical modeling, predictive analysis, and AI-driven solutions using Python and industry-standard practices.
- Gained proficiency in tools and frameworks such as Power BI, TensorFlow, Keras, NumPy, Pandas, and Scikit-learn.

## CLUBS AND EXTRACURRICULARS

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- Active member of the Coding Club, participated in coding contests and peer learning initiatives.
- Represented the university as a player on the official Basketball Team during the first two semesters.