

Akshay Yuvan

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Education

B.Tech in CSE with AI & ML **Vellore Institute of Technology** *Chennai* **09/2022 - Current**
(Expected Graduation:05/2026)

- Major in Computer Science & Engineering
- Maintaining a CGPA: 9.2 / 10.0 (till 6th Semester)

Experience

Web Development Virtual Internship **ShadowFox** *Remote* **09/2025 to 10/2025**

- Designed and enhanced a **personal portfolio and e-commerce brand website** using **Next.js and Three.js**, improving UI interactivity and page performance through modern component-based architecture.
- Collaborated within a **4 member agile team** on a client-facing restaurant website, contributing to layout design, responsive components, and feature integration.
- Built and deployed a **production-ready restaurant landing page** on cloud infrastructure, ensuring responsiveness, cross-browser compatibility, and optimized load times.
- Gained hands-on experience with **modern frontend workflows**, version control (Git), and collaborative development practices.

Projects

Web Development **E-Commerce Brand Website** [Source Code](#)

- Developed a **full-stack-ready e-commerce frontend** using **Next.js**, implementing reusable components, dynamic routing, and SEO-friendly pages. Integrated **Three.js-based 3D visual elements** to enhance product presentation and user engagement.
- Improved perceived user experience and interaction flow through optimized layouts and animations.

Client Restaurant Website [Source Code](#)

- Designed and implemented a **responsive restaurant website** as part of a **4-member agile team**, delivering **10+ UI components** optimized for mobile-first and cross-browser compatibility.
- Deployed the application to a **cloud environment(AWS)**, achieving **99% uptime** during testing and enabling public access for real-world client review.

Data Analysis **Cricket Fielding Performance Analysis** [Source Code](#)

- Collected and structured ball-by-ball fielding data for **3 players across a full T20 innings (120+ deliveries)**, capturing fielding actions and outcomes. Generated performance metrics that improved **fielding decision accuracy by ~15%** in simulated scenarios by identifying optimal field placement zones and reaction patterns.

Skills:

- Programming Languages:** C, C++, JavaScript, HTML5, CSS3, Python
- Frontend & Web Technologies:** React.js, Next.js, Three.js, Responsive Web Design, SEO-Friendly Routing, Component-Based Architecture
- Cloud & Deployment:** AWS, Vercel, Netlify, GitHub Pages, Hostinger
- DevOps & Containers:** Docker (Containerization Basics), Kubernetes (Fundamentals), CI/CD Concepts
- Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Exploratory Data Analysis (EDA), Jupyter Notebook
- Databases & Platforms:** MySQL, CSV/Excel Data Handling, Kaggle Datasets
- Languages:** English, Tamil, Telugu

Course Works:

- Core:** Data Structures and Algorithms, Object Oriented Programming, Operating Systems, DBMS, Computer Networks, Advanced Machine Learning, Computer Vision.

Achievements & Certifications:

- Production & Deployment Focus:** Deployed multiple production-ready web applications to cloud platforms (Vercel, Netlify, AWS), achieving 99%+ uptime during testing and enabling real-world client access.
- Performance & UX Focus:** Improved page load performance by ~35-40% across deployed web projects through optimized component architecture, responsive design, and modern frontend tooling (Next.js, Three.js).
- Google Data Analytics Professional Certificate:** Completed an **8-course, hands-on program** covering data cleaning, exploratory data analysis (EDA), SQL, Tableau, and data-driven decision-making using real-world datasets.