

AYUSH RAJ

FRONTEND WEB DEVELOPER

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Education

Sri Aurobindo College , Delhi University

Bachelor of Arts – History

July 2018 – April 2021

New Delhi , India

Relevant Coursework

- Advanced React JS
- Responsive Web Design
- UI Design Principles
- Version Control
- JavaScript ES6+
- Async Programming
- SQL Fundamentals
- Animations/Interactivity

Experience

Connect2Roots Academy

August 2025 – November 2025

Karnataka, India (Remote)

- Led the end-to-end design, development, and launch of the institution's flagship website, orchestrating the delivery of a user-centric, fully responsive, and highly scannable digital platform from concept to deployment.
- Engineered a secure Firebase authentication system, slashing login-related support issues by 95% and streamlining the user onboarding process.
- Architected and deployed a scalable component-based frontend, optimizing site performance by 40% and establishing a robust, maintainable codebase for future development.
- Crafted a modern, high-performance interface by leveraging advanced UI/UX principles and dynamic GSAP animations, boosting user engagement and visual appeal.
- Live link : <https://connect2-roots-academy.vercel.app/>

Projects

Code-Hive : Frontend Code Editor App | HTML5, CSS3, Javascript, React.js

- Developed a real-time code editor for HTML, CSS, and JavaScript, React.js and CodeMirror with an intuitive user interface.
- Integrated a dynamic preview feature for instant visualization of changes, enhancing user productivity.
- Overcame challenges integrating CodeMirror with React and dynamically injecting user code into a live preview iframe securely and efficiently.
- Implemented real-time preview rendering using iframe and optimized performance with debounced state updates.

Frontend Fun Pack : 50 Mini Creations | HTML5, CSS3, Javascript,

- Made using HTML, CSS, and Vanilla JavaScript, showcasing a strong foundation in core frontend development.
- Includes a wide range of creative projects like Theme Clock, Hoverboard, Drawing App, Drinking Water Tracker, Movie App, and many more.
- Projects are ready to use features that anyone can directly plug into their website, such as password generators, button effects, form animations, loaders, and toast notifications.

Macbook M4 : Demo Landing Page | React.js, Tailwindcss, Three.js,

- Pioneered an immersive digital showcase for a flagship product using React and Three.js, transforming static specifications into an engaging, interactive storytelling experience.
- Leveraged GSAP animations and custom shaders to build a visually dynamic landing page, enhancing user dwell time and visual engagement through fluid scroll-triggered sequences.

ayushraj.website : Portfolio | React.js , Tailwindcss , Three.js

- Spearheaded the development of a high-performance portfolio using React.js and Three.js, orchestrating a 90%+ Lighthouse score by optimizing assets and implementing lazy loading for the complex 3D environment.
- Optimized core web vitals and search engine visibility through semantic markup and advanced bundling, securing a 100% SEO score and ensuring top-tier discoverability.

Technical Skills

Languages/Core Skills: - HTML5, CSS3, JavaScript (ES6+), TypeScript, SQL

Libraries & Frameworks: React.js, Redux, Tailwind CSS, GSAP, Three.js, Git, Jest, Figma, Vercel.

Certification

- * Meta Front-End Developer Professional Certificate – Coursera, Meta (Nov 2023 – Jun 2024) .
- * The Complete Web Development Bootcamp – Udemy, Dr. Angela Yu (Feb 2023 – Dec 2023).
- * Python Bootcamp – Zero to Hero – Udemy, Jose Portilla (Jan 2023 – Jul 2023).
- * Represented my school in athletics and won multiple medals in 100m and 200m sprint events, showcasing discipline, speed, and competitive spirit.