

Yash Agarwal

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EDUCATION

Graphic Era Hill University

Bachelor of Technology in Computer Science & Engineering (Honors in ML & AI)

Uttarakhand, India

Aug 2023 – July 2027

PROJECTS

Interactive Resume Maker

April 2025 – Present

- Developed a dynamic resume editor using React and Tailwind CSS with real-time component editing.
- Implemented drag-and-drop reordering and multi-section expansion for intuitive layout control.
- Integrated Puppeteer-based PDF export to generate polished, print-ready resumes with custom headers and footers.
- Implemented password-based authentication and secure REST endpoints in Node.js & Express, using JWT tokens and MongoDB for user and resume storage.
- Configured MongoDB Atlas for resume data persistence, enabling users to save and retrieve multiple resume versions.
- Leveraged React Context API and Hooks for scalable state management and optimized load times with code-splitting.

Personal Blog Site

March 2024 – Present

- Built and customized a personal blog using WordPress, custom PHP templates, and JavaScript.
- Applied SEO best practices and performance optimizations like lazy-loading and deferred scripts.
- Created reusable Gutenberg blocks for standardized tutorials and content.

First Link Rule (Frontend)

August 2024 – Present

- Built a responsive SPA using Vue.js and Tailwind CSS to visualize Wikipedia's first-link paths.
- Integrated dynamic SVG graphs with live data fetched from a Node.js backend.
- Implemented client-side search, filter, and navigation features for interactive exploration.

First Link Rule (Backend)

August 2024 – Present

- Built a RESTful API in Node.js & Express that scrapes Wikipedia first-link paths using BeautifulSoup.
- Used MongoDB for traversal data storage and Redis for caching to improve performance.
- Dockerized the backend and deployed on Render and AWS Lambda for scalable access.

TECHNICAL SKILLS

Languages/Frameworks: Java, React.js, Three.js, Next.js, TypeScript, Vue.js, Tailwind CSS, HTML5, JavaScript (ES6+), CSS3

Backend: Node.js, Express.js, REST APIs

Databases: MongoDB, Supabase, Firebase, PostgreSQL

Tools: Git, Vercel, Docker, Puppeteer, BeautifulSoup

CERTIFICATIONS

AWS Certified Cloud Practitioner

AWS Solutions Architect – Associate

Google Cloud Associate Cloud Engineer