

Aastha Singh

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Summary — Full Stack Developer passionate about continuous learning and adopting emerging technologies. Currently working on AI projects with a focus on Agentic AI to build innovative, intelligent solutions.

Education

Visvesvaraya Technological University (VTU), Bengaluru, KA
B.Tech in Computer Science

2019 - 2023
CGPA: 8.63

Skills

Languages & Frameworks

HTML, CSS, JavaScript, React, RTK Query,
Redux Toolkit, Next.js, GraphQL, Node.js,
Python, Sass/SCSS, Bootstrap, Tailwind

Tools

Git, Browser Developer Tools, Ollama
(LLaMA, CodeLLaMA)

Experience

Valtech

2023 – Present

Front-end Developer

- Developed responsive UI components using React.js and modern Styled Components to enhance user experience.
- Optimized API usage with RTK Query, reducing data-fetching latency by 30%.
- Managed and rendered CMS-driven content dynamically using Adobe Experience Manager (AEM).
- Improved application performance and state management using React Hooks and Redux Toolkit.
- Ensured cross-browser compatibility and accessibility compliance (WCAG).
- Revamped the dashboard UI, introducing drag-and-drop feature using JavaScript, improving user efficiency and interaction.
- Collaborated with backend developers and designers to deliver seamless user experiences.

Speaker at Global Front-End Craft Day: RTK Query Presentation

2024

- I had the opportunity to speak at Global Front-End Craft Day, where I presented on RTK Query, a built-in feature of Redux Toolkit, and its benefits for handling data fetching and caching in modern web applications.

HackAR Cove Technologies

2023

Android Developer Intern

- Built a Kotlin-based mobile app with Firebase integration for authentication and data management.
- Developed registration and login screens ensuring seamless user experience.

Projects

Grocery Shopping Website

2023

- Developed a React-based e-commerce platform for users to browse, purchase, and checkout groceries seamlessly.
- Implemented a smooth and responsive UI/UX for an intuitive shopping experience.
- Enabled order management features, allowing admins to view and control customer orders.

AutoDev IQ – AI-Powered Developer Productivity Tool

2025

- Built an on-premise AI tool using **LLaMA 3.2** to boost developer productivity while ensuring data security.
- Enabled codebase querying by parsing GitHub repos, chunking code, generating embeddings, and storing as vectors for instant AI answers.
- Automated detection of untested files in feature branches (React/Java) and generated test cases for local validation.
- Designed visual regression workflow with Backstop.js and Playwright; LLMs summarized visual diffs between base and feature branches.
- Integrated seamlessly into Git workflows, streamlining code understanding, testing, and validation, **improving developer productivity by more than 30%.**

Achievements

Spark Award

2024

- Received the Award for outstanding contributions in rapidly scaling up, proactively addressing tickets, and demonstrating initiative in problem-solving.

Gems of Valtech

2024

- Honored with the Award for exceptional teamwork and collaboration.

Agentic AI Hackathon

2025

- Selected among the Top 100 teams for building an AI-driven prototype using Google Cloud technologies within 30 hours.