

Karthik Sivakumar

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EDUCATION

NIT Trichy

B.Tech in Mechanical Engineering

Tamil Nadu, India

July. 2018 – May 2022

EXPERIENCE

AEM Developer

Sep 2022 – Aug 2024

Capgemini

Hyderabad, India

- Part of a full AEM project from initial requirements gathering and component estimation to successful deployment and post-launch support to client
- Developed multiple POCs for the project, exploring both React SPA architecture and SSR alternatives
- Collaborated with various team members and client to classify components and estimate timelines
- Enhanced component library by integrating design variations from Zeplin into Storybook
- Actively communicated with clients to gather technical and functional requirements
- Developed and implemented Sling models to handle backend-to-frontend data communication efficiently within the AEM framework
- Wrote and executed JUnit tests to ensure code quality and functionality, improving overall project stability and reducing post-launch issues
- Integrated Google Maps API with Marker Clusterer for a dynamic branch locator component, optimizing the display of multiple locations and enhancing user experience with an interactive map navigation

PROJECTS

Puzzle Game | *HTML, CSS, Javascript, Git*

Sep 2024 – Present

- Developed a Destiny 2-themed web application that simulates a puzzle, offering users an interactive experience related to the game's mechanics
- Designed and implemented a responsive user interface with vanilla HTML, CSS, and JavaScript, ensuring optimal performance
- Incorporated game mechanics, event triggers, and visual elements from Destiny 2 to enhance user engagement
- Optimized the simulator for both desktop and mobile devices, improving user experience and accessibility

Finance Calculator | *HTML, CSS, Javascript, Git, Chartjs*

Nov 2024 – Present

- Designed and developed a Finance Calculator web application with functionalities for FD, RD, and EMI calculations
- Integrated Chart.js to visualize investment and return data through interactive donut charts
- Implemented user-friendly interfaces with real-time input validation and dynamic chart updates
- Successfully debugged and tested the application to ensure seamless performance across multiple browsers and devices

TECHNICAL SKILLS

Languages: JavaScript, SQL, Java, HTML/CSS

Frameworks: React

Developer Tools: Git, Docker, VS Code, Visual Studio, IntelliJ, Eclipse

Libraries: jQuery