

Mukesh Uday Kumar

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SUMMARY

Detail-oriented and passionate Frontend Developer with hands-on experience in building dynamic, responsive, and user-centric web applications. Strong command over HTML, CSS, JavaScript, and Java with additional expertise in React.js, RESTful APIs, and responsive UI design. Successfully delivered multiple real-world projects under RISE Internship by Tamizhan Skills and contributed to production-level web interfaces during internships at Tekstructers and DLK Technologies. Adept at translating creative design concepts into efficient code while ensuring cross-browser compatibility and performance optimization. Always eager to learn, adapt, and bring innovative solutions to digital experiences.

EDUCATION

Bachelor of Technology (B.Tech) in Artificial Intelligence and Machine Learning

Sreenivasa Institute of Technology & Management Studies, 2020–2024

Intermediate (MPC)

Sri Chaitanya Junior College, 2018–2020

Secondary School Certificate (SSC)

DR. KKR's Gowtham School, 2017–2018

SKILLS & CERTIFICATIONS

- **Languages:** Java, HTML, CSS, JavaScript, SQL, ReactJS, Redux
- **Technologies:** REST APIs, Responsive Design, DOM Manipulation, WebSockets
- **Certifications:**
 - Google Foundations of UX Design
 - Microsoft Azure Data Fundamentals
 - Java Full Stack Development – TAP Academy

PROJECTS

- **Cardiovascular Disease Prediction Using Retinal Images** *Jan–May 2024*
 - Designed a deep learning-based image classification pipeline using Convolutional Neural Networks (CNNs) to identify early-stage cardiovascular issues from retinal scans.
 - Implemented data augmentation, hyperparameter tuning, and dropout layers to improve generalization and prevent overfitting.
 - Evaluated performance on large datasets to ensure high precision and recall, aiming for real-world diagnostic reliability.
- **Image-to-Text-to-Image using Machine Learning** *Aug–Oct 2023*
 - Built a dual-model system using computer vision and NLP to convert an input image into descriptive text captions, then regenerate a new image from the text.
 - Used CNNs, transformers, and image captioning datasets to create end-to-end deep learning pipelines.
 - Applied transfer learning, achieving notable improvements in semantic matching and reconstruction accuracy.

- **Digital Resume Builder** *Jul 2025*
 - Built a professional resume generator using HTML, SCSS, and JavaScript with a real-time preview.
 - Implemented multiple templates, custom styling, and live PDF export functionality.
 - Part of the RISE Internship Project by Tamizhan Skills showcasing frontend, UX, and logic integration skills.
- **Pokédex Console** *Jun 2025*
 - Created an animated Pokédex web app using PokéAPI with stat details, evolution chains, and local storage memory.
 - Integrated interactive UI with flip cards, theme modes, and dynamic sound effects.
- **Weather App with Theme Toggle** *Jun 2025*
 - Built using OpenWeather API, animated icons, and light/dark themes.
 - Applied smooth fade transitions and reusable components.
- **Brahmi Joke Generator** *Jun 2025*
 - Used async JavaScript with a custom JSON jokes API themed around Brahmanandam's punchlines.
 - Enhanced with background effects, animated elements, and punchline timing logic.
- **StartupX Portfolio Website (Frontend UI Showcase)** *June 2024*
 - Developed a visually impressive and interactive portfolio site as part of the RISE Internship, showcasing frontend creativity and UI expertise.
 - Implemented responsive layouts, animations using AOS library, modern gradients, and hover interactions for an engaging user experience.
 - Integrated semantic HTML, modular CSS, and clean JavaScript architecture to ensure smooth navigation and accessibility.

INTERNSHIPS

- **Frontend Developer Intern – Tekstructers Technologies** *Jul 2024 – Jan 2025*
 - Designed and optimized dynamic frontend interfaces using modern HTML, CSS, and responsive web technologies.
 - Focused on cross-browser compatibility and mobile responsiveness.
- **Frontend Developer Intern – DLK Technologies** *May 2023 – Jul 2023*
 - Created clean UI layouts and responsive pages using HTML, CSS, and Bootstrap.
 - Collaborated on multi-device testing and UI improvements for usability.
- **RISE Internship – Tamizhan Skills** *Jun–Jul 2025*
 - Completed 8 real-world frontend development projects using JavaScript, API integration, and DOM manipulation.
 - Delivered animated apps, responsive design, and project hosting via Netlify.