

Isha Paliwal

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[Portfolio](#) | [Blogs](#) | [LinkedIn](#) | [Github](#)

Open to relocation and remote opportunities.

SUMMARY

Front-End/UI Developer with 5+ years of experience designing, building, and optimizing responsive, scalable, and accessible web applications using React, Angular, HTML5, CSS3, and JavaScript. Skilled at system design, translating UI/UX designs into production-quality code, with a focus on performance, accessibility, and mobile-first principles. Currently completing M.S. in Computer Science (GPA: 3.9) in the U.S., passionate about creating seamless user experiences that drive engagement.

TECHNICAL SKILLS

- **Programming & Web:** JavaScript (ES6+), TypeScript, Angular 19, React.js, Redux, HTML5, CSS3/SASS, Bootstrap, Tailwind CSS, RESTful APIs, jQuery, AJAX, JSON
- **Web Fundamentals:** Responsive Web Design, Cross-Browser Compatibility, Mobile-First Design, Accessibility (WCAG Compliance), SEO Basics
- **Backend & Database:** Node.js, Express.js, GraphQL, Java, Python, C++, C; MySQL, PostgreSQL, SQL
- **Tools & Cloud:** Git, Jenkins, SonarQube, AWS, Postman, JIRA, ServiceNow
- **Methodologies:** Agile (Scrum), Test-Driven Development; **Testing:** Jasmine, Karma, Jest, UI Unit Testing
- **Software Engineering Foundations:** Data Structures & Algorithms, Machine Learning, Operating Systems (Unix, Linux)

RELEVANT WORK EXPERIENCE

Mokxa Technologies, LLC

Columbia, Maryland

Software Developer Intern

May 2024 - Present

- Spearheaded front-end development of a loan application portal for **Ernst & Young (EY)**, enhancing form usability and boosting application efficiency by 25%.
- Led UI development for the **Vote Builder** platform for the **Democratic Party of Virginia**, enabling field canvassing of 50,000+ voters and increasing outreach effectiveness by 30%.
- Engineered dynamic voter mapping interfaces using OpenStreetMap, developing a custom automated area mapping algorithm from scratch. Optimized route generation speed by 40% across web and mobile platforms.

HCL Technologies Limited

Bangalore, Karnataka, India

Senior Software Developer

January 2022 - August 2023

- Pioneered modernization of legacy AngularJS apps to Angular 12+ for 4 global insurance clients (**Aviva, Chsnara, Phoenix Group, ReAssure**), delivering enhanced performance and accessibility (30% improvement).
- Integrated custom document viewer UIs, improving user interaction accessibility and achieving compliance with WCAG 2.1 standards.
- Optimized front-end pipelines and UI unit tests (Jasmine, Karma) achieving 98% coverage and improving deployment cycles by 20% via Jenkins/SonarQube.
- Mentored junior developers on Angular component design patterns, responsive UI practices, and Agile delivery.

Infosys Ltd

Pune, Maharashtra, India

Senior Systems Engineer

September 2019 - December 2021

- Designed and developed responsive SPAs for **The Boeing Company**, serving 10,000+ global users with seamless cross-browser performance.
- Led front-end feature rollouts and implemented mobile-first dashboards using Angular and Bootstrap.
- Drove a 25% improvement in page load speeds by optimizing Angular components and minimizing reflows, measured via Chrome DevTools and Lighthouse reports.

PROJECTS

- **ConnectWise - Full-Stack Social Media Platform** – React, Redux Toolkit, Node.js, PostgreSQL, AWS S3, JWT, Material UI, Chart.js – Built a scalable platform with real-time chat, post sharing, and admin controls. Integrated JWT Auth, AWS S3 image uploads, and responsive layout. [Live Demo](#) | *Sample: isha.paliwal@gwu.wdu / User@1234.Right*
- **Maps Playground Web Tool** – Angular, Leaflet, D3.js, Turf.js, RxJS, Tailwind CSS, Apache Charts – Architecting an interactive geospatial web tool that leverages Leaflet, Turf.js, and TomTom for dynamic route visualization and spatial data manipulation. Supports multilingual UI with ngx-translate and responsive design for an intuitive mapping experience.
- **Portfolio Website** – React, Material UI, Framer Motion, Three.js – Built a personal portfolio using React with Three.js-powered 3D effects, tsParticles animations, light/dark mode toggle, and Lottie files. Integrated EmailJS for seamless contact form handling, showcasing creative frontend design and animation skills.
- **Image Colorization** – Deep Learning, GANs, Pix2Pix, Machine Learning, GenAI – Applied deep learning and AI techniques to transform grayscale images into realistic color visuals using architectures like Pix2Pix, VGG16, & EfficientNet with UNet.

EDUCATION

The George Washington University, School of Engineering & Applied Science

Washington, DC

Master of Science in Computer Science (GPA: 3.9)

May 2025