RUCHITRA KUMARESAN

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OBJECTIVE

UX/UI Designer with 2+ years of experience in React.js, Angular, TypeScript, and Java-based backend technologies. Proven track record in building responsive, scalable web applications and optimizing performance across the stack. Passionate about creating accessible, user-centered digital experiences in agile environments.

Education

St. Francis College, Brooklyn, NY | Master's in Information Technology.	*Sept 2025 - Present*
New York Institute of Technology, New York |M.Sc in Computer Science.	*May 2024*
REVA University, Bangalore, India | B.Tech in Computer Science.	*May 2020*

PROFESSIONAL EXPERIENCE

Ambica Constructions and Contractors, Software Engineer, Bangalore, India.   *June 2020 - July 2022*

- Developed and maintained full-stack applications by designing, coding, and testing Java, Spring Boot services with React.js/Angular front-ends, improving code quality by 30% through clean, well-documented code practices.
- Collaborated with cross-functional teams, participated in 50 and more code reviews, debugged 40% faster, and supported agile processes to deliver, on-time solutions.

Lernov, Web Development, Bangalore, India.   *July 2021 - August 2021*

- Identified navigation issues via user testing, redesigned UI in Figma, resulted in 30% increase in task success rate and 15% faster page loads and conducted UX audits, identified usability issues, proposed design solutions to enhance product experience.
- Created and tested responsive layouts aligned with branding and achieved 90% stakeholder approval. Built a customer portal using Java Spring MVC and React.js, reducing backend response time by 30%.

Sain Solutions , Website Developer and Designer, Bangalore, India.   *Feb 2020 - May 2020*

- Built and redesigned retail platform interfaces using HTML5, CSS3, JavaScript, and Bootstrap, creating responsive and user-friendly layouts. Increased user interaction by 50% and reduced bounce rate by 25% through User Interface enhancements based on customer feedback.
- Contributed to backend efficiency with Java Servlets and Spring Security, achieving a 40% improvement in data processing performance.Collaborated with a remote global team using Slack, Zoom, and GitHub; independently delivered maintainable, high-quality code in a distributed work environment.

VOLUNTEER EXPERIENCE

1. 9/11 National Memorial & Museum,Volunteer, New York.   *Jan 2025 - Present*

- Educated 1,000+ visitors monthly through storytelling, tours, and digital programs, fostering cultural understanding of complex historical events.

2. UPchieve, STEM Computer Science, Volunteer, New York.   *Sept 2024 - Dec 2025*

- Mentored high school students in algorithms, data structures, and college applications, improving technical comprehension and college readiness.

PROJECTS

1. Task-flow Pro – Your AI-Powered Productivity Companion.   *March 2025*

- Built a smart task manager with AI-powered suggestions, calendar integration, and progress tracking; boosted team productivity by 84%. Built AI-powered task management app with calendar sync and productivity analytic.

2. Gift Genie.   *February 2025*

- Developed an interactive React-based recommendation engine, cutting gift search time by 70% through intelligent filters increased return visits by 50%.

3. *Mood-Based Playlist Generator.*   *January 2025*

- Created a JavaScript Natural Language Processing -based web app to auto-generate playlists based on user sentiment, improving engagement by 40%. Developed a browser app that uses sentiment analysis to suggest playlists.

ACHIEVEMENTS

Research Paper, International Conference, REVA University, Bangalore.   *May 2020*

- Attended conference to display my project and research paper in Advance in Computing and Information Technology (IACIT-2020). Conducted research and presented findings on innovative computing techniques, contributing to the advancement of the field.