

# Prakash Mariappan

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## EDUCATION

**Master of Science, Computer Science (GPA 4.0)**

University of North Texas, Denton, TX

**Present Aug 2023 - May 2025**

**Bachelor of Engineering, Computer Science (GPA 3.4)**

Sathyabama Institute of Science and Technology, Chennai, India

**Jul 2019 - May 2023**

## TECHNICAL SKILLS

- **Programming:** JavaScript, Python.
- **Web Development:** HTML 5, CSS 3.
- **Framework:** React JS, Django.
- **Database:** MySQL.
- **Deployment:** Netlify.
- **Version Control:** Git.
- **UI/UX Design:** Figma, Photoshop.

## EXPERIENCE

**Developer Trainee Intern, Shiash Info Solutions, Chennai, India**

**Sep 2022 – Dec 2022**

- Successfully contributed to the development of the **Leasing Management Application** projects, demonstrating proficiency in problem-solving and collaborative teamwork. Applied Advanced Python programming skills to enhance project functionality, showcasing adaptability and quick learning in a dynamic work environment.
- Acquired in-depth knowledge of **Advanced Python** and **Object-Oriented Programming** concepts, enabling efficient and effective coding practices. Demonstrated practical understanding of **MySQL DBMS**.
- Expanded technical expertise by mastering the **Django** Framework, utilizing it to streamline and optimize project development processes.

## CERTIFICATION

**Master UI/UX Design, Macincode Technologies, India**

**Jan 2022 - Apr 2022**

- Proficient in utilizing **Figma**, a leading UI/UX design tool, gained through comprehensive training. Incorporated Figma in the design process to enhance usability and accessibility, resulting in improved user satisfaction.
- Proficient in creating interactive **prototypes** and detailed **wireframes** using Figma, allowing for effective communication of design concepts and functionality.
- Implemented **responsive design** principles using Figma, ensuring the adaptability of interfaces across various devices and screen sizes.

**Mern Full Stack Development Program, Prepbytes, India**

**Oct 2021**

- Developed many dynamic and responsive web applications using the **MERN** stack. Applied **HTML** and **CSS** to create visually appealing and user-friendly interfaces.
- Proficient in designing and implementing UI components using **ReactJS** for seamless user experiences.
- Demonstrated strong proficiency in **JavaScript** for development. Implemented asynchronous programming concepts to enhance the performance of web applications.
- Deployed applications on platforms like **Netlify**, ensuring seamless accessibility. Configured server environments and managed deployment pipelines for continuous integration. Used **Git** for version control, collaborating with team members to manage code repositories.

## PROJECTS

**Heuristic Puzzle Forge, Usability Gaming Web App – ReactJS**

[\(Hosted Link\)](#) [\(Github\)](#)

- Developed a dynamic gaming web app, using **React JS** as the primary framework. Implemented lot of functionalities using various libraries such as **react-router-dom** for seamless navigation, **DnD (Drag and Drop)** for enhanced user interaction, **timer** functionality for game constraints and additional features like **Confetti** to enhance the overall gaming experience.
- Implemented **Nielsen's Heuristic Laws** and **UI/UX design** principles within the gaming website to create an educational and engaging platform for students and developers.

**Ishop, E commerce App – ReactJS**

[\(Hosted Link\)](#) [\(Github\)](#)

- Implemented a **robust component-based architecture** in **React.JS** for the Single Static page E-commerce web app where customers can browse, search for, and purchase a wide range of Apple items such as the iPhone, iWatch, MacBook, and many more, while efficiently managing and modifying data operations within components using a **JSON** file.
- Utilized the capabilities of **React Router** to improve the user experience by enabling smooth transitions between views and ensuring a single-page application (SPA) feel with straightforward navigation, search functionality, and personalized recommendations. Users may easily find products, read product reviews, and compare prices.

**The Siren, Blog App – ReactJS**

[\(Hosted Link\)](#) [\(Github\)](#)

- Developed a **dynamic and responsive Blog App** using React.js, enabling users to seamlessly browse and interact with blog feeds sourced from various accounts.
- Implemented **personalized content recommendations** based on user preferences, with all data efficiently processed and managed through a **JSON** file backend.

**Airovel, UI Design for Flight Booking Mobile App – Figma**

[\(Figma Link\)](#)

- Designed the UI for a Flight Booking Mobile App using **Figma**, incorporating responsive and visually appealing elements to enhance user interaction and facilitate smooth navigation through the booking and payment processes.