

Harsha Apoorv Merapureddy

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SUMMARY

Results-driven **Mobile & Front-End Developer** passionate about building scalable, high-performance applications across web and mobile platforms. Adept at designing clean and maintainable architecture, optimizing app performance, and implementing intuitive UI/UX. Proven ability to reduce development time by 50% through reusable components and efficient state management. Experienced in full-cycle mobile app development, from ideation to deployment, with successful releases on the App Store & Play Store. A strong collaborator, balancing full-time responsibilities with freelance projects, demonstrating adaptability, problem-solving, and a commitment to continuous learning.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java, C++, C, Kotlin

Front-End Development: React Native, Redux, React.js, Redux-Toolkit, Bootstrap, HTML, CSS

Tools & Platforms: Git (GitHub/GitLab), Figma, Jira, Xcode, Android Studio, VS Code

Testing & Debugging: Jest, JUnit, React Testing Library, Cypress

Other Technologies: RESTful APIs, RTK-Query, Agile/Scrum, Node.js, SQL

EXPERIENCE

Tata Consultancy Services (TCS)

Systems Engineer / React Native Developer | Bangalore, India | **Jun 2023 - Present**

- Optimized app performance by 20% through efficient state management with **Redux Toolkit**.
- Designed and developed a **responsive, dynamic dashboard**, increasing **user satisfaction by 40%**.
- Integrated OAuth2 authentication** for secure user access and compliance with industry standards.
- Implemented **Jest for unit testing**, reducing **bugs by 35%** and improving code reliability.
- Collaborated in **bi-weekly Agile sprints**, managing **25+ user stories per release** on Jira.
- Integrated **payment gateway solutions** for secure Direct Debit and Debit Card transactions.
- Collected and analyzed user feedback to drive iterative improvements.

Freelance Projects

SensibleT – Mobile App Development (Freelance, Jan 2025 - Present)

- Designed and developed a **fully functional mobile app from scratch** within **2 months**, working independently outside office hours.
- Implemented **clean architecture and scalable state management** to ensure high performance and maintainability.
- Developed the app using **React Native** for cross-platform compatibility on **iOS and Android**.
- Integrated **secure authentication, API services, and intuitive UI/UX** for a seamless user experience.
- Coordinated with the startup team to gather requirements, iterate on feedback, and refine features before launch.
- Currently awaiting launch, with the potential to scale and evolve as the business grows.

Blackbuck Engineers Pvt. Ltd

Web Developer Intern | Feb 2022 - Mar 2022

- Developed a **user-friendly interface** using JavaScript, HTML, and CSS, enhancing **user satisfaction by 40%**.
 - Built an **ATS-friendly resume builder**, streamlining resume creation and **improving job application success rates by 40%**.
 - Ensured **100% website compatibility** across multiple platforms and browsers.
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EDUCATION

SRKR Engineering College, Bhimavaram

Bachelor's Degree in Computer Science & Engineering | Aug 2019 - Apr 2023

PROJECTS

NEST Pension Mobile App | Tata Consultancy Services

- Managed and mentored a team of 4 developers to build a **cross-platform mobile app** (iOS & Android) for **NEST Pensions UK**.
- Utilized **Redux Toolkit** for efficient state management and **RTK-Query** for API integration.
- Developed reusable **custom components**, reducing dependency on external packages and **cutting development time by 50%**.
- Developed and optimized a **mock server using Node.js & Express** to simulate APIs, increasing **development speed by 30%**.
- Implemented **Jest for API & UI testing**, improving code quality by **40%**.
- Worked on **secure file transfer** using **Sterling File Gateway (SFG)**, implementing virus scans and data validation.
- Successfully launched **3 releases on Apple Store & Play Store** in the UK.

Resume Builder | Blackbuck Engineers Pvt. Ltd

- Engineered an **ATS-optimized resume builder**, enabling **500+ users** to generate customized resumes.
- Leveraged JavaScript, HTML, and CSS to **improve development efficiency by 50%**.

Cyberbullying Detection & Reporting | SRKR Engineering College

- Led a team of 5 in building a **machine learning model** for cyberbullying detection on social media.
 - Evaluated **5 different ML models**, achieving **94% accuracy** using **TF-IDF scoring** for text classification.
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CERTIFICATIONS

- **Meta Android Developer** (12 Courses)
 - **Meta iOS Developer** (12 Courses)
 - **Web Design for Everybody Specialization** – University of Michigan (5 Courses)
 - **Python for Everybody Specialization** – University of Michigan (5 Courses)
 - **Elements of AI** – University of Helsinki
 - **Applied Data Science** – World Quant University
 - **Python for Data Science** – IBM
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