

# SHASHIDHAR SANGEPU

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## PROFESSIONAL SUMMARY

**Certified Frontend Developer** who is expertise in crafting dynamic and responsive user interfaces using a robust **MERN stack - React.js, MongoDB, Express.js, and Node.js**. Proficient in **JavaScript** and **TypeScript**, with a focus on API design and optimization. Skilled in implementing **Redux** for efficient state management, achieving a 25% reduction in application size. Specialized in **React JS**, contributing to a 15% boost in development productivity. Well-versed in Git for version control and experienced in utilizing build tools like **Webpack** and **Gulp**. **Ready to bring my frontend development skills, strong problem-solving acumen, and a passion for innovation to drive impactful solutions for your organization.**

## SKILLS AND ACCOMPLISHMENTS

- **Frontend Development Skills:** React.js | HTML5 & CSS3 | Bootstrap & jQuery | Next.js
  - **Programming Languages:** JavaScript | TypeScript | Java | Springboot
  - **Backend Development:** Node.js | Express.js | API design | Data Structures | Data Algorithms
  - **Databases:** MySQL | MongoDB
  - **Testing Frameworks:** Jasmine | Mocha | Chai
  - **Version Control & Collaboration:** Git | GitHub | Bitbucket
  - **Web Design & Development:** Web Designing | PSD | Web Development | REST API | JSON | HTTP
  - **Code Quality:** ESLint | Prettier
  - **Deployment:** AWS
  - **Problem-Solving**
  - **Communication**
  - **Other Skills:** Design Patterns | Agile Development - Scrum | HP Data Protector | NPM | Yarn | Webpack | Babel | Jira
- Certified as a Web Designer by Anudeep Foundation, showcasing proficiency in modern web development technologies.
  - Successfully completed and delivered a minor project named Currency Recognition System, highlighting effective utilizing of Digital Image Processing.
  - Successfully completed and delivered a major project named Phishing Website Detection, highlighting effective utilization of Light GBM and SVM algorithms and Java programming.

## WORK EXPERIENCE

### MAJOR PROJECT

**(02/2023) – (06/2023)**

#### **Project | Phishing Website Detection, VBEC, Hyd**

**(02/2023) – (06/2023)**

Utilized React.js | Node.js | Next.js | Redux | Figma | Babel | Webpack | ESLint | Nodemon for project development.

Frontend Developer for a cybersecurity project implementing phishing website detection using SVM and Light GBM algorithms. Designed and developed user-friendly interfaces, ensuring seamless interaction with the system. Collaborated with the data science team to integrate advanced detection algorithms into the frontend, enhancing user experience and contributing to the project's overall success.

### Responsibilities:

- Designed user interfaces that are intuitive and user-friendly, additionally created wireframes and prototypes for user testing and feedback.
- Collaborated with the backend development team to integrate the frontend with the machine learning models based on SVM and Light GBM, Implemented the necessary API calls to communicate with the backend for processing and receiving model predictions.
- Developing interactive components that allow users to input URLs for analysis. Providing feedback to users on the status of the analysis and the results obtained.
- Implementing input validation to ensure data integrity and prevent security vulnerabilities.
- Writing and conducting unit tests to ensure the reliability of the frontend code.

## MAJOR PROJECT

(08/2022) – (12/2022)

### Project | Currency Recognition System, VBEC, Hyd

(08/2022) – (12/2022)

Utilized React.js | HTML5 Canvas API | OpenCV.js | PixiJS | Figma | WebSockets | AJAX | ESLint

Led frontend development for a cutting-edge Currency Recognition System utilizing digital image processing. Designed and implemented intuitive user interfaces, incorporating responsive design principles for cross-device functionality. Collaborated with cross-functional teams, integrating frontend components with backend algorithms. Ensured data integrity through robust input validation, and conducted rigorous unit testing to guarantee code reliability. Contributed to an efficient and user-friendly system, optimizing frontend performance for seamless interaction with digital image processing algorithms.

### Responsibilities:

- Designed intuitive and visually appealing interfaces, ensuring a positive User Experience (UX).
- Implemented responsive interfaces using HTML, CSS, and JavaScript, leveraging React.js for modular code.
- Collaborated with the backend team to seamlessly integrate the frontend with image processing algorithms.
- Developed interactive components for user input and utilized AJAX/RESTful APIs for secure communication with the backend, implementing input validation for data integrity.
- Conducted unit tests to ensure frontend reliability, optimized performance for large image datasets.

## EDUCATION

### BTech in Computer Science

Graduation Year (2023)

Vignana Bharathi Engineering College, Hyderabad

## CERTIFICATIONS

- Web Developer
- React using Redux
- Java Developer