PRABHU SENTHILKUMAR

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Summary

An aspiring software developer with hands-on experience in front-end development (HTML, CSS, JavaScript, React.js) and SQL for database management. Certified Oracle Cloud Infrastructure 2025 Architect Associate with foundational knowledge in cloud technologies. Skilled in building responsive, user-friendly applications and eager to apply problem solving abilities and coding expertise to develop efficient and scalable software solutions.

Education

Sona College Of Technology — Sep. 2021 – May 2025
Bachelor of Engineering in Computer Science — *Salem, TamilNadu*

Cultus Education And Foundation — July 2025 – October 2025
AWS re/Start Cloud Practitioner — *Salem,TamilNadu*

Experience

Edunet Foundation — August 2025 – October 2025
Front End Developer Intern — *Salem, TamilNadu*

- Developed and maintained responsive web pages using HTML, CSS, and JavaScript and assisted in building interactive UI components with React.js to improve user experience.
- Collaborated with team members on real-time projects, following Agile practices and used Git/GitHub for version control and project collaboration.
- Tested and debugged web applications to ensure cross-browser compatibility and contributed to documentation and project discussions, enhancing team communication skills.
- Gained exposure to UI/UX design principles and implemented feedback for better usability.

Projects

AI-Powered Petition Processing System — April 2025

- Developed an end-to-end AI-driven petition processing system using OCR (Tesseract, EasyOCR) and BERT/LLM pipelines to classify and track legal petitions.
- Improved processing time by 40% through optimized real-time petition classification and workflow automation.
- Integrated Explainable AI (XAI) techniques (LIME, SHAP) to ensure transparency, interpretability, and trust in legal decision-making.
- Tech Stack & Tools: Python, PyTorch, Hugging Face Transformers, FastAPI, PostgreSQL, Docker, Git

Recipe Management System — November 2024

- Designed and developed a full-stack recipe management system using HTML, CSS, JavaScript, PHP, and MySQL.
- Implemented interactive features including recipe submission, rating, and feedback to enhance user engagement.
- Built a secure and scalable backend with structured database design for efficient recipe storage and retrieval and strengthened full-stack development skills by integrating frontend UI with backend logic and database operations.

Interactive Personal Portfolio — May 2024

- Developed an interactive personal portfolio website using HTML, CSS, JavaScript, and React to showcase projects and skills
- Implemented responsive design principles (Flexbox, Grid, Media Queries) to ensure seamless experience across devices
- Enhanced user engagement with smooth animations, interactive UI components, and optimized performance.

Technical Skills

Languages: Python,Java,HTML/CSS,JavaScript,SQL
Developer Tools: VS Code,Git/GitHub,Chrome DevTools,Postman
Cloud Platforms: OCI/AWS – Compute,Storage,Networking,IAM,DataBases

Certifications

- **Oracle Cloud Infrastructure 2025 Certified Architect Associate**
- **Web Development Fundamentals Issued by IBM SkillsBuild**.
- **Introduction To Packet Tracer Issued by Cisco Networking Academy**