

SHWE WIN AUNG

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SUMMARY

React.js / Full Stack Developer proficient in React.js, TypeScript, Node.js, REST APIs, and Agile delivery. Built and deployed scalable, full stack web applications across independent, team, and hackathon environments.

EXPERIENCE

GSoC 2026 Contributor

Open Science Labs / Data Umbrella

March 2026 – Present, Remote

- Engineered Django model fields and DRF serializer validations following strict enterprise code quality standards .
- Successfully cleared rigorous peer code reviews to build reusable React TypeScript FormatBadge components .
- Maintained high code integrity and system test compliance across 3 merged production pull requests (#115, #116, #118).

Smart India Hackathon (SIH) 2025 — Grand Finale Qualifier

Kochi Metro Rail Limited (KMRL), Kochi, India

September 2025 – December 2025, Kochi, India

- Led React.js, TypeScript, and Vite frontend development for an AI-powered government document intelligence system, improving task efficiency by 35% among 100+ evaluators.
- Designed RESTful API architecture and end-to-end data flow supporting real-time scalable document search and analysis for a national government client.
- Structured OCR and NLP datasets in Python, improving data readiness by 30%, and optimized AWS ElastiCache caching to achieve 90% positive user feedback.

Summer Intern — Frontend Development & UI/UX Design

Little Genius School of Science & Technology

January 2019 – June 2019, Mandalay, Myanmar

- Contributed to frontend development and UI/UX designing focusing on building responsive user interfaces and improving user experience.

PROJECT

Voice to Invoice

Freelance Project • www.linkedin.com/posts/shwe-win-aung_ai-possystem-voiceai-ugcPost-7474116220414242817-HrnD/?utm_source=share&utm_medium=member_desktop&rcm=ACoAADsFmOsBDG3o48aENLdn9wtvg_csINsd1hY • June 2026 – Present

- Architected a voice-driven invoice generator utilizing Web Speech API and AI processing to parse multi-item unstructured data .
- Implemented isolated server-side PDF generation logic with Node.js to deliver secure, downloadable documents in real time .
- Enforced strict type-safe state management across the UI to guarantee high data parsing reliability across varying user inputs .

Building Materials Website — Independent Developer

Punjab, India • panthazin.net • November 2025 – January 2026

- Architected and launched a responsive multilingual React.js and TypeScript web application supporting Myanmar, English, and Chinese via ES6+ i18n modules, expanding user reach by 40%.
- Developed a scalable UI component library using Tailwind CSS and reusable React components, reducing UI redundancy by 30% and page load time by 35% via Cloudinary REST API integration.
- Delivered full cross-device compatibility across mobile, tablet, and desktop through responsive web design, increasing usability by 25%.
- Translated client requirements into production-ready features through iterative, feedback-driven development cycles, reducing rework time by 30%.

AI Trip Planner

Fullstack Developer • www.linkedin.com/posts/shwe-win-aung_introducing-ai-trip-planner-project-thanks-ugcPost-7337351026447982593-yyzj/?utm_source=share&utm_medium=member_desktop&rcm=ACoAADsFmOsBDG3o48aENLdn9wtvg_csINsd1hY • January 2025 – March 2025

- Architected and co-developed an AI-powered trip planning application serving 100+ test users, generating personalized itineraries from destination, budget, dates, and group size inputs.
- Engineered 10+ RESTful API endpoints using Node.js for itinerary generation, user authentication, and travel recommendations, reducing API response time by 30%.
- Built responsive UI components using React.js, TypeScript, and Tailwind CSS with geolocation-based mapping, delivering a working prototype within a 4-week cycle across 9 developers.

ByteBash Hackathon – 1st Runner-Up

Lovely Professional University, Punjab, India • food-website-cyan.vercel.app • March 2024 – March 2024

- Secured 2nd place among 150+ teams in a 36-hour national-level hackathon, advancing from Top 11 to Top 3 to Final Top 2 based on UI design, system architecture, and pitching.
- Built an AI-driven food platform delivering personalized meal recommendations based on weather, mood, and health inputs, improving recommendation relevance by 30%.
- Delivered end-to-end product features including food ordering, recipe discovery, seller storefronts, and online cooking courses within the 36-hour hackathon timeframe.

SKILLS

Hard Skills: React.js, Next.js, Node.js, Express.js, FastAPI, TypeScript, JavaScript (ES6+), Python, R, HTML5, CSS3, SASS, Tailwind CSS, REST APIs, GraphQL, MySQL, PostgreSQL, MongoDB, VectorDB, AWS, Docker, Kubernetes, Git, GitHub Actions, CI/CD, Vite, Cloudinary, OCR, NLP, Pandas, Power BI, Tableau, Redux, Zustand, Context API, Jest, React Testing Library, Cypress

Soft Skills: Cross-Functional Collaboration, Client Communication, Agile, Scrum, Problem-Solving, System Design, Technical Presentation

Tech Skills: Responsive Web Design, UI/UX Design, Component-Based Architecture, Microservices, Performance Optimization, Unit Testing, Cross-Browser Testing, Query Optimization, Data Visualization

CERTIFICATIONS

Responsive Web Design & JS Algorithms

- freeCodeCamp Professional Certifications.

GitHub Foundations

November 2024

- Certified Professional.

EDUCATION

B.Sc. Information Technology

Lovely Professional University • Punjab, India • May 2026

B.A. English

Yadanabon University • Mandalay, Myanmar • May 2023
