Sanchit Khosla

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Education

Bachelor's Of Information Technology   **July 2022 - July 2025**
University of Technology Sydney
GPA: Distinction Average
Recipient of Undergraduate Engineering Dean's List

Technical Skills

Languages : Java, Swift, HTML, CSS 3, SQL, JavaScript, TypeScript
Frameworks : React, Vue.js , Node.js, Mongo DB, Express, Tailwind, Sass, Git
Github : https://github.com/sanchit-560
Portfolio Website : https://sanchit-560.github.io/PersonalWebsite/

Work History

Junior Software Engineer   **September 2024 - Present**
UTS | Sydney
- Contributed to the Digital Transformation Project for UTS's new website, building scalable, responsive front-end solutions using React (with Hooks and Context API), TypeScript, and Tailwind CSS, aligning UI with dynamic business requirements and Figma designs to boost student engagement by 15%.
- Enhanced and refactored reusable UI components as part of a scalable component library aligned with a structured design system and maintained thorough documentation in Storybook, improving developer onboarding and reducing build time by 20%.
- Collaborated in an Agile environment, consistently closing high-priority Jira tickets, participating in sprints and delivering over 65+ meaningful code contributions to the GitHub repository within first 5 months.
- Coordinated and supported deployments for digital transformation project on AWS, utilising EC2 for application hosting and S3 for file storage and management
- Implemented WCAG-compliant accessibility fixes (ARIA roles, screen reader support, keyboard navigation), enhancing usability metrics by 30% and maintaining responsive design across all viewports.
- Utilised Git and GitHub for effective version control, contributing to seamless integration workflows.
- Wrote unit tests using Jest and React Testing Library for reusable UI components, enhancing code reliability and supporting continuous integration workflows.

Outreach Assistant   **February 2024 - December 2024**
Student Services Unit, UTS | Sydney
- Improved student experience for over 200 first-year UTS students per semester by providing timely and accurate information about UTS services and resources, facilitating a smoother transition into university life.
- Delivered personalised support to UTS students, resolving inquiries on university services, technical issues, and academics, leading to a 45% rise in satisfaction rate and positive feedback.

Projects

Technical Project
Mockup Payments Solution App
- Leveraged Node.js and Express.js to develop a robust backend system capable of handling end-to-end transactions for dummy users, ensuring seamless functionality from signup to fund transfers.
- Integrated React with React Router to design a dynamic frontend, enabling users to easily navigate through signup, signin, dashboard, and fund transfer pages, while controlling a smooth user experience.
- Implemented secure JWT authentication and custom middleware on backend, combined with React components on frontend, to protect sensitive routes and ensure only authenticated users can access and perform transaction-related actions.

Volunteer Consultant   **August 2022 - November 2022**
UTS Consulting Club I UTS
- Secured a position in the UTSCC Pro Bono program, amidst a competitive pool of 70 applicants, by showcasing problem-solving and adaptability skills during selection process.
- Constructed a point-based rewards system for Seed Culture's clients, increasing employee participation in sustainability initiatives by 30%.
- Achieved 2nd place in the UTSCC Consultant Cup at PWC by delivering impactful solutions helping Seed Culture meet its immediate and long-term business goals, as recognised by judging panel.

Internet Programming (Coursework)
- Currently completing AWS Cloud Practitioner Essentials as part of coursework to build foundational cloud knowledge in compute, storage, networking, and security

References

Available upon request