Tanmay Kishor Salunke

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github.com/tanmaysalunke | tanmaysalunke.vercel.app

EDUCATION

Master of Science in Computer Science Expected May 2025

Arizona State University, Tempe, AZ GPA - 3.94

Courses: Software Requirements & Specifications, Cloud Computing, Data Visualization, Semantic Web Mining

Bachelor of Engineering in Information Technology Aug 2018 - May 2022

University of Mumbai, Mumbai, India GPA - 3.5

Courses: Data Structures & Algorithms, Database Management System, Operating System, Software Engineering, Computer Networks

TECHNICAL SKILLS

Languages: Python, C, JavaScript, TypeScript, Java (Object-Oriented Programming), HTML5, CSS3/SCSS
Frameworks/Libraries: React, Node.js, Django, Flask, Tailwind CSS
Tools: GitHub, Jira, Agile/SCRUM Methodology, JSON, XML, Docker, GiHub Actions (CICD), Amazon EC2, Figma, WordPress
Databases: MongoDB/NoSQL, MySQL, SQLite

PROFESSIONAL EXPERIENCE

Arizona State University Tempe, Arizona

Web Assistant May - August 2024

- **Developed and launched** the HyPT Center's website, effectively presenting critical information such as member profiles, events, and news, which improved communication and resource sharing among international stakeholders.
- **Facilitated global collaboration** by mocking the Doodle poll functionality on the website, ensuring synchronized meeting times and enhancing participation across diverse time zones.
- **Enhanced user engagement** with a registration feature on the website, which sends automated Zoom links and calendar invites to participants who RSVP, leading to a **25% increase in event attendance**.

Jio Platforms Navi Mumbai, India

Software Developer Jul 2022 - Jul 2023

- Enhanced system efficiency by **30%** over the legacy system in Visitor Management Enterprise System by optimizing process flows, developing Microflows and workflows, and integrating **Continuous Integration/Continuous Deployment (CI/CD) pipelines**.
- Cut down visitor check-in times by **15 minutes** by integrating strategic Vehicle Check-in processes and automating data retrieval through **Single Sign-On (SSO)** and JSON formatted **SAP API** integrations, within a **React** framework.
- Improved user error rectification by **50%** by leading a **Modular UI redesign** in the Enterprise System. The redesign, implemented using iterative processes in **Figma** and **React**, significantly improved user satisfaction and system usability.

PROJECTS

Course Swap App | *JavaScript, React, Node.js, Socket.io, GitHub Actions, EC2, MongoDB* ✎ *Jun 2024 - Present*

- Developed a course swap web application using **Node.js and React**, enabling university students to efficiently exchange course enrollments, simplifying the registration process through **Google OAuth integration**.
- **Automated** user matching based on detailed course preferences by implementing sophisticated **matching algorithms**, thereby increasing user satisfaction and engagement.
- Integrated secure **RESTful APIs** and leveraged **MongoDB** for robust data management, ensuring scalable application performance with reliable data storage solutions.
- Utilized **Docker** to containerize the frontend and backend components, ensuring isolated environments for development and deployment. Integrated **GitHub Actions** for **CI/CD**, enabling seamless deployment of the application on **Amazon EC2**.

Winner - Smart India Hackathon (SIH) | *Django, Bootstrap, Batch Scripting, SQLite* ✎ *Mar 2022 - Aug 2022*

- Spearheaded the creation of GR918, a system hardware inventory management software, leading the transition from **LAN to a hybrid LAN and Cloud architecture**, instrumental in winning the SIH 36-hour hackathon.
- Crafted **process flows, use cases, and activity diagrams**, and developed a **Django**-based website with a minimal UI and database models.
- Engineered an **automation pipeline** for hardware component extraction using **Batch Script** and **Python**, orchestrated via Windows Task Scheduler and Linux/Ubuntu **CronJob**.

Mental Health Test Web Application | *Python, Flask, MySQL* ✎ *Jan 2020 - Apr 2020*

- Developed a Flask app for college students to assess mental health via a thoughtfully designed questionnaire.
- Integrated **MySQL** for secure response storage, translating raw scores into actionable mental health insights.
- Fostered a collaborative partnership with college counselors, ensuring question relevance and accurate interpretation of results, promoting mental health awareness.