SANIYA NANDE

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Education

Arizona State University	**Aug 2025 – Present**
Masters of Science in Computer Science	*Tempe, Arizona*
University of Mumbai	**Aug 2021 – May 2025**
*Bachelor of Engineering in Computer Engineering	CGPA - 9.57/10.0	**Gold Medalist***	*Mumbai, India*

Technical Skills

Languages: Python, Java, C++, C, Dart, JavaScript, SQL
Frameworks and libraries: Django, Flask, Flutter, Matplotlib
Tools & Technologies: REST APIs, PostgreSQL, Supabase, AI/ML, LLM, Git, Postman, VS Code, Figma, Agile methodologies, Version Control, Data Analysis, Software Development Lifecycle (SDLC), CI/CD

Work Experience

Saukhyam Pads | Supabase, Backend APIs, Flutter, Figma   **Sept 2024 – Mar 2025**
Software Engineer Intern   *Mumbai, India*
- Engineered a Supabase backend with authentication, database management, and real-time APIs, powering a Flutter app that reached **500+ rural women** for menstrual health awareness and sustainable product distribution.
- Optimized data storage and retrieval, reducing query response time by **30%** and ensuring scalability for future outreach programs.

Digibranders Private Limited | Python, Django, REST APIs, PostgreSQL   **Jun 2023 – Aug 2023**
Full Stack Developer Intern   *Mumbai, India*
- Created **4 RESTful APIs** using Django framework, contributing to scalable backend functionalities that improved API response time by **20 milliseconds** and reduced server load.
- Managed a PostgreSQL database with **15+ relational tables**, optimizing queries and improving reliability by **20%**.

Projects

Engineering Notes Platform | *React, Node.js, Tailwind CSS* ↗
- Developed and deployed a knowledge-sharing web platform featuring handwritten engineering notes from semesters 4–8, referenced by 1,000+ students across universities.
- Ranked Top 10 globally out of 232 projects on Peerlist Launchpad, with endorsements from faculty and department heads, and praised by peers for accessibility and academic value.

EduLlama | *Flask, Python, Llama3.2, Flutter* ↗
- Built and deployed Flask-based REST APIs to integrate the Llama 3.2 model, enabling real-time query handling and subject-specific responses for Grades 6–8.
- Designed a Flutter client app to consume Flask APIs, providing an interactive chatbot interface for students, achieving 92% response accuracy in subject-related queries and engaging 100+ students in pilot testing.

Course Coach | *Python, Matplotlib, JavaScript, HTML, CSS* ↗
- Implemented an interactive website using HTML, CSS, and JavaScript to help students select academic domains based on their interests, integrating an MCQ-based evaluation system with Python and Matplotlib for analysis.
- Incorporated predictive algorithms and machine learning to enhance domain recommendations, improving recommendation accuracy by 28% compared to baseline methods.

Research Publication

Vcare: A Survey on Menstrual Health Awareness and Accessibility ↗   **Aug 2025**
Published in Advances in Smart Computing and Applications (Springer, CCIS vol. 2619)
- Surveyed menstrual health challenges in underserved rural communities, collecting data from 300+ women, uncovering barriers related to affordable products, health education, and social stigma.
- Conducted primary and secondary (literature, articles, blogs, Twitter data; 1,500+ data points) research to identify critical accessibility and awareness gaps.

Positions & Responsibilities

Data Science Club at SIESGST | Executive Member   **Jan 2024 – May 2024**
- Executed a machine learning workshop for 250+ students, offering hands-on training on AI projects.

Google Developer Student Club (GDSC) SIESGST | Web & App Co-ordinator   **Aug 2022 – May 2023**
- Updated the GDSC SIESGST website and led the "Netflix and Code" bootcamp, training 100+ students in web development.