

Suhaani Agarwal

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Summary — An AI and Full-Stack Web developer passionate about building innovative tech solutions for social impact

Education

Indira Gandhi Delhi Technical University for Women (IGDTUW) 2024 - 2028
Bachelor of technology in Computer Science Engineering and Artificial Intelligence
CGPA (1st Semester) : 9.5

Skills

Languages	Python, JavaScript, C/C++ , SQL, R	DevOps	GCP, Docker, Git, GitHub
Web Dev	React.js, Next.js, Node.js, Tailwind CSS, Flask	Databases	PostgreSQL, Firebase, MongoDB
AI/ML	Data Visualization, TensorFlow, Model Evaluation	Tools	Postman, Jupyter Notebook, Figma
		CS Concepts	DSA, OOP, System Design

Experience

CosyLab IIITD Jan 2025
Research Intern

Project: Foodoscope App

- Collaborating with CosyLab to build the Foodoscope app using APIs such as RecipeDB, FlavourDB, Ratatouille,Ayurveda Informatics and Carbon Footprint API (SustainableFoodDB)
- Utilized Expo Router and React Native for seamless mobile app development
- Integrated PostgreSQL for backend data management and optimized API communication
- Designing and developing multiple pages including grocery list generator and recipe generator
- Leveraged technical skills in JavaScript, React Native, PostgreSQL, and API integrations

Projects

Sweekaar: Accessible Daily Task Trainer for Neurodivergent Children

- Designed a platform focused on teaching daily tasks (not academic content) to children with autism, ADHD, and cerebral palsy through repetition-based mind training
- Conducted in-depth research on step-by-step task breakdown and reinforcement methods used in therapy for neurodivergent children
- Implemented object detection and gesture tracking using **Coco-SSD**, **TensorFlow.js**, and **MediaPipe** to guide and monitor task completion. Aimed at relieving caregiver stress.
- **GitHub:** github.com/suhaani-agarwal/sweekaar
- **Demo Video:** <https://drive.google.com/link>

AlgoEase: Personalized Roadmap and Learning Platform for DSA and Beyond

- Developed a platform offering personalized roadmaps, daily challenges, resources, complexity analysis, and test case detection for students learning DSA or other fields
- Implemented a robust backend using PostgreSQL, Next-Auth and libraries like bcrypt for user data and progress tracking
- Implemented real-time session tracking and interactive UI using React.js and Tailwind CSS
- Worked with APIs to track user progress and suggest personalized learning paths
- **GitHub:** github.com/suhaani-agarwal/AlgoEase
- **Demo Video:** <https://drive.google.com/link>

Memory Haven

- Developed a web application to assist individuals with memory impairments in recognizing familiar faces and locations
- Integrated Next.js for frontend development ,PostgreSQL for backend and Google Maps API for location tracking
- Implemented Face Recognition for identifying known individuals and Gemini AI API for personalized assistance
- **GitHub:** <https://github.com/suhaani-agarwal/memory-haven>
- **Link:** memory-haven-v1-git-main-suhaanis-projects.vercel.app

Aasra: AI-based Nutrition and Emotional Support Platform for PG Students

- Designed a personalized meal planner and emotional support system for PG students with a focus on healthy eating and food anxiety
- Integrated RecipeDB and FlavourDB APIs for dynamic recipe generation and food recommendations

- Incorporated Gemini API, TTS APIs, and machine learning models to enhance the user experience with personalized suggestions
- **GitHub:** github.com/suhaani-agarwal/aasra-v1
[SukhiSaheli: Mental Well-being Platform for Housewives](#)
- Developed a web-based platform focusing on mental well-being and empowerment for housewives
- Built using React.js, Node.js, and Express for the backend, with MongoDB for data management
- Integrated features like social interaction, self-care modules, and mental health tracking tools
- **GitHub:** github.com/suhaani-agarwal/lorem-ipsu

Achievements

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| - Best WIE Team , Vihaan8.0 Hackathon, IEEE DTU | April 2025 |
| - Top 10 , Hack for Impact Hackathon, Ecell IIITD | March 2025 |
| - 2nd Runner Up , Hack-it-up Hackathon, MSC IGDTUW | Feb 2025 |
| - Winner , Foodoscope ForkIt Challenge Hackathon, IIIT Delhi | Dec 2024 |
| - 1st Place Winner , CodeDay-Delhi Hackathon, IIT Delhi | Sep 2024 |
| - 1st Place Winner , Innoquest-Access Hack Ideathon, Microsoft, Gurugram | Sep 2024 |
| - 2nd Place Winner , Smart Product Design Ideathon, IIITD Techpectra | Aug 2024 |
| - Participant , Code4Cause Hackathon, E-cell NSUT | Sep 2024 |
| - Participant , Innoquest, Reskill, Microsoft, Gurugram | Aug 2024 |

Extracurricular Activities

- **AI/ML Mentee**, GDSC - IGDTUW, 2024-present
- **Sponsorship Coordinator**, IEEE - IGDTUW, 2024-present
- **Content and Research Coordinator**, AssetMerkle (Web3 Blockchain Society)-IGDTUW, 2024-present