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 - Jun 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

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

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-ipsum

Obesity Detection ML Project

- Developed a machine learning system for obesity detection based on body measurements
- Used a Kaggle dataset and applied models like SVM and Random Forest for obesity classification
- Preprocessed data using Pandas and NumPy for feature engineering and analysis
- **Link:** https://colab.research.google.com/drive/suhaani0707@gmail.com

Achievements

– **Winner**, Foodoscope ForkIt Challenge Hackathon, IIIT Delhi	Dec 2024
– **First Place Winner**, CodeDay-Delhi Hackathon, IIT Delhi	Sep 2024
– **First Place Winner**, Innoquest-Access Hack Ideathon, Microsoft, Gurugram	Sep 2024
– **Second 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