Shubhra Awasthi

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WORK EXPERIENCE

Nestlé India Ltd.   Apr 2025 – June 2025
System Integration Analyst   *Bangalore, Karnataka (Remote)*

- Launched a new employee management system integrated with Nestle's website, which streamlined role assignments and reduced manual data entry errors by **15%** within the first month.
- Enhanced employee role assignment module utilizing binary search trees and hash tables to optimize data retrieval, reducing average processing time by **600ms** per transaction for **5000+** employees.

Brightyfy   Mar 2025 – Apr 2025
Web Developer Intern   *Gondia, Maharashtra (Remote)*

- Improved key UI/UX elements on five core webpages, resulting in positive user feedback on the new design and a **20%** increase in click-through rates to product pages.
- Implemented a Gemini-powered chatbot, automating **80%** of routine queries and reducing support workload.
- Reduced website page load times from **4** to under **2** seconds by spearheading the integration of Brotli compression and lazy loading techniques, enhancing user experience.

PROJECTS

Zenith - Front-End Developer & ML Engineer   Dec 2024 - May 2025

- Collaborated in a cross-functional team to develop a mental health app integrating features such as an AI chatbot, AI-powered multilingual calling bot, therapist booking, daily journaling, mood tracking, and gamified mental wellness activities.
- Spearheaded front-end development and UI design for the mental health app's landing page, creating a user-friendly interface and improved page load times by 2 seconds, enhancing user engagement **30%**.

Drishti - Front-End Developer & ML Engineer   Jul 2024 - Apr 2025

- Developed a user-friendly web application displaying real-time soil data and crop recommendations, enhancing farmer decision-making and potentially improving crop yields by an estimated **15%** annually.
- Engineered and deployed a distributed IoT sensor network across a 10-acre farmland using **20+** slave nodes, capturing **1,000** real-time readings hourly, improving irrigation efficiency.
- Built the front-end interface and helped set up CI/CD pipelines to deploy APIs for delivering crop insights using machine learning, delivering actionable crop insights with **95%** accuracy and boosting farm productivity.

EDUCATION

VIT Bhopal University   Sep 2022 – Jun 2026
B.Tech in Computer Science - 8.54 CGPA   *Bhopal, Madhya Pradesh*

Kendriya Vidyalaya   May 2022
Class XII - 94 Percentage   *Rajkot, Gujarat*

Saint Paul's School   Jun 2020
Class X - 91 Percentage   *Rajkot, Gujarat*

ACHIEVEMENTS & ACTIVITIES

- Secured **2nd place** at **AceHack 4.0** by engineering an innovative web accessibility solution, surpassing **225+** teams in a 36-hour national-level hackathon, demonstrating rapid development capabilities.
- Earned accolades by achieving **Rank 1** globally on GeeksforGeeks contests; developed innovative solutions that highlighted strong logical reasoning and efficient code implementation techniques.
- Managed logistics for **3** prominent tech workshops during college fests while serving as lead organizer, drawing attendance numbers exceeding previous records by attracting over **10** local sponsors who contributed resources.

ADDITIONAL

- **Languages:** C++ (Advanced), Python, JavaScript/TypeScript
- **Frameworks:** React, Bootstrap, Flask, FastAPI
- **Tools & DevOps:** VS Code, Git, Collab, Jupyter