Shubhra Awasthi

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EXPERIENCE

Development Bank of Singapore(DBS)   **June 2025 - Present**
AI DevOps Apprentice   *Hyderabad, Karnataka (Remote)*

- Undergoing specialized training in AI DevOps, covering Operating Systems, RDBMS, Application Security, GitOps, and AWS.
- Gaining hands-on exposure to cloud-native deployments (AWS, Docker) and serverless workflows, focusing on scalable AI model serving and production integration.

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

- Engineered 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**
Full Stack Web Developer Intern   *Gondia, Maharashtra (Remote)*

- Enhanced both front-end UI/UX and backend workflows across five core webpages, improving user experience and driving a **20%** increase in click-through rates to product pages.
- Implemented a Gemini-powered chatbot, automating **80%** of routine queries and reducing support workload.
- Spearheaded performance optimizations, reducing load times from **4s** to under **2s** through Brotli compression, lazy loading, and efficient server-side handling.

PROJECTS

Zenith - Full Stack & ML Engineer ⬈   **Dec 2024 - May 2025**

- Collaborated in a cross-functional team to develop a mental health platform integrating an AI chatbot, AI-powered multilingual calling bot, therapist booking, daily journaling, mood tracking, and gamified wellness activities.
- Built end-to-end features including backend API integrations, authentication flows, and frontend UI design, reducing load times by **2s** and increasing engagement by **30%**.

Drishti - Full Stack & ML Engineer ⬈   **Jul 2024 - Apr 2025**

- Built a scalable web application delivering real-time soil data and AI-driven crop recommendations, enhancing farmer decision-making and improving yields by an estimated **15%** annually.
- Orchestrated the installation of an expansive IoT sensor network spanning **10** acres, incorporating **20+** sensor nodes and achieving a consistent capture rate of **1,000+** environmental readings every hour.
- Developed both the front-end interface and backend APIs, implementing CI/CD pipelines for seamless deployment, and integrated ML models achieving **95%** accuracy in crop disease detection and irrigation insights.

EDUCATION

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

Kendriya Vidyalaya & Saint Paul School   **May 2022 & May 2020**
Class XII - 94%, Class X - 91%   *Rajkot, Gujarat*

ACHIEVEMENTS & ACTIVITIES

- Winner of AceHack 4.0 with a full stack web accessibility solution, surpassing **225+ teams** in a 36-hour national hackathon.
- 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

- **Programming Languages:** C++ (Advanced), Python, Java(Basic), JavaScript, TypeScript
- **Frameworks & Libraries:** React.js, HTML, CSS, Next.js, FastAPI, Bootstrap, Tailwind CSS
- **Databases & Backend:** SQL, MongoDB, REST APIs, CI/CD
- **Hobbies:** Competitive Coding, Gaming