Ayush Sahu

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Education

Sage University, Bhopal *B.Tech in Artificial Intelligence & Machine Learning*   *2021 – 2025*
- CGPA: 7.9/10

St. Xavier's Sr. Sec. Co-ed School *Class XII*   *2021*
- Percentage: 64.3%

St. Xavier's Sr. Sec. Co-ed School *Class X*   *2019*
- Percentage: 84.5%

Experience

Freelance Full-Stack Developer & Technical Consultant *Self-Employed*   *Bhopal, MP (Remote) Oct 2023 – Present*
- Spearheaded the design, architecture, and deployment of **20+ full-stack web applications** across India, leveraging **React.js** for front-ends and **Node.js** for scalable back-ends.
- Engineered high-performance websites focused on SEO and Core Web Vitals, resulting in an average **30% improvement** in performance scores for client businesses.
- Managed **end-to-end cloud infrastructure** (DNS, SSL, cPanel) for client sites, ensuring **99.9% uptime** and robust security protocols for custom and WordPress CMS environments.

Technical Support Analyst & Website Developer *Zenith Wealth Fintech*   *Bhopal, MP Jan 2024 – Dec 2025*
- Streamlined client onboarding and support by conducting detailed **UI training** and resolving system issues, leading to a **15% reduction** in average ticket resolution time.
- Provided first-tier technical support and managed routine maintenance, content updates, and secure deployment for the corporate website and internal knowledge base.

WordPress Developer Intern *Digital Empiro*   *Bhopal, MP Internship*
- Developed custom **WordPress** solutions using **WooCommerce**, ensuring client requirements were met and implementing responsive designs.
- Collaborated with the team to manage cPanel hosting configurations and basic server-side troubleshooting.

Projects

Time Series Forecasting Model   *Source Code* ⬈
- Engineered a robust **Time Series Forecasting model** in **Python**, utilizing **ARIMA** and **Prophet** algorithms to predict future trends in financial data.
- Optimized the model using advanced data preprocessing, achieving an accuracy of **92%** (or equivalent low MAPE) in prediction validation tests.
- Tools Used: Python, Pandas, Scikit-learn, ARIMA, Prophet.

Face Recognition Counter (Computer Vision)   *Source Code* ⬈
- Developed a real-time **Computer Vision** system for counting unique visitors using **Python**, **OpenCV**, and **dlib** for facial landmark detection and tracking.
- Implemented object persistence logic to prevent double-counting, ensuring visitor count accuracy of ¿95% across various lighting conditions.
- Tools Used: Python, OpenCV, dlib, Computer Vision.

Gym Management CRM (MERN Stack)   *Source Code* ⬈
- Designed and deployed a modular **Full-Stack Gym Management CRM** using the **MERN stack** (**MongoDB, Express, React, Node.js**).
- Automated critical business functions, including member sign-ups, payment tracking, and scheduling, enhancing administrative efficiency.
- Tools Used: React.js, Node.js, MongoDB, Express, API Development.

Skills

Programming & Core: Python (Pandas, Scikit-learn, NumPy), JavaScript (ES6+), C++, HTML5, CSS3, SQL.
AI/ML/CV: Time Series Analysis, ARIMA, Prophet, TensorFlow/Keras, OpenCV, Computer Vision, dlib.
Web Technologies & Tools: MERN Stack (React.js, Node.js, MongoDB), Express.js, Tailwind CSS, WordPress, WooCommerce, Redis.