Yuvraj Chauhan

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ComputerScience Engineering student with expertise in full-stack development, data analytics, and software engineering. Proficient in React, Spring Boot, Python, SQL, and C++, with internships delivering predictive analytics systems and responsive web applications. Skilled in Agile methodology, Git-based collaboration, and scalable, data-driven applications. Leadership as Student Coordinator and Sangam President demonstrates strong ability in team management, event planning, and cross-functional execution.

Education

BITS Pilani Hyderabad Campus - B.E. in Computer Science — Oct 2022 – Aug 2026
DAV Public School - XII, CBSE — Apr 2020 – Mar 2022
Rajendra Vidyalaya - X, ICSE — Apr 2008 – Mar 2020

Experience

Full-Stack Technology Intern — Synchrony Financial, Hyderabad — July 2025 – Dec 2025
- Migrated enterprise UI from legacy Thymeleaf to **React.js**, improving system **performance** and **scalability**.
- Integrated **REST APIs** with **form validations**, reducing UI data errors by ~25% and strengthening **UX quality**.
- Contributed to production-grade releases in a **Git-based**, cross-functional, **Agile** development environment.

Data Analytics & Web-App Intern — TATA Power, Jamshedpur — May 2025 – Jul 2025
- Engineered an interactive **Streamlit OEM Analysis System**, adopted by **30+ engineers**, reducing downtime by 10%.
- Automated data pipelines (regex-based year extraction & forecasting), saving **40+ hours/month**.
- Integrated analytical dashboards with lifecycle insights, improving operational planning efficiency.

Web Development Intern — SASCO Steel Pvt. Ltd., Jamshedpur — May 2024 – Jul 2024
- Rebuilt and optimized website sections using **HTML, CSS, JavaScript**, improving responsiveness and reducing bounce rate by **20%**.
- Delivered Agile-driven **UI/UX enhancements**, increasing customer engagement by **15%**.
- Collaborated in a **Git workflow**, reducing development cycle time by **10%**.

Skills

Programming Languages: C++, Python, JavaScript
Web Technologies: HTML, CSS, React.js, Node.js, Express.js
Core Computer Science: DSA, OOP, Operating Systems, Computer Networks

Databases: MySQL, MongoDB
Frameworks: Spring Boot, Dash, Pandas, Plotly
Tools: Git, VS Code, Agile, Compiler Construction

Projects

Interactive 3D Portfolio Website – Full Stack 🔗 — Feb 2024 – Mar 2024
- Designed and developed an interactive 3D personal portfolio using **React** and **Three.js** to showcase projects and skills through immersive visuals and smooth animations.
- Implemented responsive layouts with **styled-components** and integrated **EmailJS** to enable real-time contact functionality across devices.

Sibilytics – AI Inventory Analytics Dashboard 🔗 — Jan 2025 – Apr 2025
- Built a real-time analytics dashboard using **Streamlit** with Wavelet, FFT, and Spectrogram-based insights.
- Delivered actionable metrics (RMSE, SNR, Entropy, Correlation), enabling dynamic inventory forecasting and decision-making.

Email Writer AI – Full Stack Web App 🔗 — Jan 2025 – Feb 2025
- Developed a **React + Material UI** frontend with tones (Professional/Friendly/Casual), enabling one-click AI-generated replies.
- Implemented **Spring Boot REST APIs** with Gemini model integration, deployed full-stack using **Vercel + GitHub**.

Position of Responsibility

Student Coordinator, Admissions Division — BPHC — Jul 2024 – May 2025
- Directed document verification for 1200+ students, coordinating with **faculty** to streamline **operations** and reduce delays.
- Guided students and parents during onboarding, improving **user experience** and satisfaction scores by **30%**.

President, Sangam Regional Association — BPHC — Jul 2024 – May 2025
- Organized flagship **cultural and technical events** with 500+ attendees, raising **2L+** in sponsorships.
- Coordinated initiatives with administration, improving **student engagement** and expanding participation by **40%**.