Subham Kumar

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Summary

Master's student in Computer Science at **BHU** with strong skills in **Java**, **DSA**, and **frontend development**.

Experienced in **team-based projects** and **internships** involving UI/UX, React, and backend systems.

Eager to contribute to **impactful software solutions** using modern development practices.

Education

BANARAS HINDU UNIVERSITY	**2024 − 2026**
Masters in Computer Application	*Varanasi*
ARYABHATTA KNOWLEDGE UNIVERSITY	**2021 − 2024**
Bachelor in Computer Application	*Patna*

Technical Skills

Programming Languages: Java, JavaScript, HTML

Frameworks & Libraries: React, Node.js, Express.js, Bootstrap, jQuery

Databases/Operating Systems: Windows, macOS, Linux, MySQL

Tools: Git, GitHub, Postman

Soft Skills: Critical Thinking, Problem Solving, Effective Communication

Experience

Aditya Vision Limited — **Jan 2024 − Apr 2024**
Project Intern

- Designed an **intuitive and responsive UI** for a Smart Billing Management System using **CSS and Bootstrap**, resulting in a **15% increase in user engagement** during the pilot phase.
- Conducted **UI/UX testing and feedback sessions**, incorporating user insights to optimize design iterations and improve overall satisfaction.
- Gained practical experience across the **entire software development lifecycle**, including requirements gathering, design, development, testing, and deployment.

Projects

Video to GIF Converter | *React.js, WebAssembly, FFmpeg.wasm* — **Aug 2025 − Present**

- Built **client-side video converter** enabling **video-to-GIF conversion** directly in-browser with **zero server dependency**.
- Integrated **FFmpeg WebAssembly** for **fast, high-quality processing**, improving **conversion speed by 60%+.**
- Implemented **intuitive UI** featuring video preview, trimming, and real-time progress for **enhanced user experience**.
- Strengthened expertise in **React hooks**, **async operations**, and **multimedia browser APIs**.

Scientific Calculator | *Java, Java Swing*

- Built a **GUI-based calculator** supporting basic to advanced mathematical operations.
- Implemented **event-driven programming**, **object-oriented design**, and input validation.
- Optimized performance and layout for a **smooth, responsive user experience**.

Certifications

JavaScript	**Infosys** — *Dec 2024*
Information Security	**Infosys** — *Sep 2024*
Cloud Computing	**NPTEL** — *Apr 2025*