

SAMBIT KUMAR PATHY

DevOps Engineer

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[Linkedin](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Chandigarh University
Computer Science Bachelor's
CGPA: 8.04

Mohali, India
2021 - 2025

EXPERIENCE

Mentornix Consultancy | DevOps Engineer

Mohali, India | May 2024 - Aug 2024

- Architected a scalable LMS for 1250-1300 interns, integrating secure authentication and Azure Blob Storage for personalized video content, optimizing backend verification and client-side streaming.
- Developed and deployed a high-traffic website on Hostinger, handling 1,500-3,000 daily users, ensuring efficient resource management and enhanced user experience.

Samsung R&D Institute | Software Developer Intern

Bengaluru, India | Feb 2023 - Sept 2023

- Developed a cross-platform mobile and web app for home planning and interior design, boosting customer engagement and user satisfaction.
- Integrated WebGL and Three.js for an interactive, visually appealing UX, seamlessly importing and texturing high-quality 3D models.

SKILLS

Programming Languages: Java, Python, MySQL, JavaScript, TypeScript, NodeJS
Libraries/Frameworks: Three.js, Next.js, OpenCV, Spark, Docker, Kubernetes, Jenkins, Maven
Tools / Platforms: Android Studio, PyCharm, Blender, Firebase, Git, GitHub, Linux, Azure, AWS, Grafana, Nginx, Jira, Helm
Databases: SQL, MySQL, MongoDB

PROJECTS / OPEN-SOURCE

Mentornix LMS

TypeScript, Azure, NodeJS, Blob Storage

- Architected a scalable LMS platform, ensuring robust user authentication and personalized video content delivery.
- Integrated Azure Blob Storage for secure video streaming, optimizing backend verification and enabling seamless client-side rendering.
- Enhanced content distribution and streaming for improved performance and user experience while focusing on secure authentication to protect user data.

Azure AI Search Engine

Azure AI Studio, Open AI, Azure AI Services

- Developed an Azure AI Search Engine for real-time data retrieval across multiple sources, integrating semantic search and ranking algorithms to enhance result accuracy and relevance.
- Designed optimized queries with filters for improved performance and leveraged Azure AI capabilities to boost user experience and scalability.

HONORS & AWARDS

- Secured Runner-Up position at the Rajasthan IT Hackathon, showcasing strong technical expertise.
- Completed the Google Facilitator Program, showcasing proficiency in Google technologies.
- Received an Excellence Certificate for outstanding performance at Samsung R&D Institute.
- Successfully published over three research papers in relevant fields.