

Achyut Katiyar

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Education

Northeastern University <i>Master's in Computer Science</i>	2025 – 2027 Boston, Massachusetts, USA
SRM University - AP <i>Bachelor of Science in Computer Science (CGPA: 8.3 / 10.00)</i>	2020 – 2024 Vijayawada, India

Work Experience

Full Stack Web Developer <i>SRM University - AP</i>	January 2024 – June 2024 Vijayawada, India
<ul style="list-style-type: none">Designed and implemented a web portal facilitating UROP and Capstone collaboration, featuring task tracking, document sharing, and role-based access control, enhancing project management efficiency.Enhanced user experience with React.js and Next.js, ensuring seamless navigation and responsiveness.Achieved a 75% grading improvement and a 50% process efficiency boost for streamlined project monitoring and assessment.	
Technical Intern <i>SRM University - AP</i>	October 2023 – June 2024 Vijayawada, India
<ul style="list-style-type: none">Directed technical operations for university events, encompassing website development, payment gateway management, and design of promotional materials such as posters and flyers.Innovated event technology solutions, for 75% increase in user satisfaction and a 60% improvement in process efficiency. Coordinated cross-functional efforts to ensure seamless execution of events, for 95% client satisfaction.	

Projects

Zenith <i>Next.js, Tailwind CSS, Solidity, Polygon, IPFS</i>
<ul style="list-style-type: none">Developed a decentralized music application enabling artists to mint and sell their music as NFTs, integrating IPFS for secure file sharing and Polygon for low-cost, high-speed blockchain transactions.Implemented multi-role access controls and interactive features such as NFT gaming and community building.Eliminated intermediaries and enabled direct monetization for artists, reducing decision-making bottlenecks by 30%.
PokeArena <i>React.js, Node.js, Tailwind CSS, Three.js, web3, Move</i>
<ul style="list-style-type: none">Developed a blockchain-based platform digitizing 300+ Pokémon cards as NFTs, enabling secure trading and battling with smart contract-backed authenticity.Integrated Aptos blockchain and wallet authentication, processing 120+ NFT trades and ensuring transaction reliability.Designed a retro-modern UI/UX, increasing user engagement by 60%.
Infinitus'24 <i>Next.js, Tailwind CSS, Node.js, Three.js</i>
<ul style="list-style-type: none">Led the development of the Infinitus Fest website, attracting 20,000 students with 6,000 registrations across 10 events, and emphasizing crowd loading optimization.Integrated payment gateway to capture the payments for Cultural and Technical events during Infinitus'24.

Technical Skills

Languages: C++, Java, Python, Solidity, Kotlin, JavaScript, TypeScript, Dart, SQL
Technologies: React.js, Node.js, Next.js, Flask, Express.js, TensorFlow, PyTorch, MongoDB, Firebase, Tailwind, Android SDK, Docker, Kubernetes, Jenkins, AWS (EC2, S3, Lambda), GCP, Web3.js, Ethers.js, IPFS, Polygon, Ethereum, Aptos
Concepts: Operating Systems, Machine Learning, Blockchain, Smart Contracts, API Development, Cloud Computing

Leadership / Achievement

- Led University's Technical Team as Convener, increasing student engagement by 40% through committee formation and industry-aligned website redesigns. Also served as a Board Member of the APP Design and Development Club, mentoring newcomers and improving skills by 60%.
- Won \$1500 Nillion Track Prize at Hacker House Goa 2024, \$600 at Move it with Aptos, \$500 Marbelism Track Prize at HACKSRM 2.0 2024, and \$100 at APPATHON 2022.