ACHYUT KATIYAR
Software Engineer
github.com/achyut21

achyutkatiyar21@gmail.com
+1 (857) 576 6733
linkedin.com/in/achyutkatiyar2103

EDUCATION

Degree	Specialization	Institute	Year	GPA
M.S.	*Computer Science*	Northeastern University	Expected 2027	-
B.S.	*Computer Science*	SRM University - AP	2024	8.3/10.00

WORK EXPERIENCE

- **Full Stack Web Developer** — *SRM University - AP*   Jan 2024–Jun 2024
  - Designed and implemented a **distributed web portal** using **React.js** and **Next.js** for UROP and Capstone collaboration, featuring **role-based access control**, task tracking, and secure document sharing.
  - Enhanced **UI design** and user experience, improving grading efficiency by **75%** and streamlining project monitoring processes by **50%** for over 1000 students.

- **Technical Intern** — *SRM University - AP*   Oct 2023–Jun 2024
  - Directed technical operations for university events, developing event websites and integrating **payment gateways** to process thousands of transactions securely.
  - Coordinated cross-functional teams to deliver event technology solutions, resulting in a **75% increase in user satisfaction** and **60% improvement in process efficiency** across multiple **large-scale** events.

PROJECTS

- **Zenith**   (Next.js, Tailwind CSS, Solidity, Polygon, IPFS)
  - Developed **Zenith**, a **decentralized music application** on **Polygon** using **Next.js** and **Solidity**, enabling artists to mint and sell music as **NFTs**.
  - Implemented **multi-role access controls** and integrated **IPFS** for **secure data storage** and file sharing, eliminating intermediaries and reducing decision-making bottlenecks by **30%**.
  - Designed interactive **UI/UX** for NFT gaming and community features, enhancing artist monetization and user engagement.

- **PokeArena**   (React.js, Node.js, Tailwind CSS, Three.js, web3, Move, Aptos)
  - Engineered **PokeArena**, a **blockchain-based platform** digitizing **300+ Pokémon cards** as **NFTs** using **React.js**, **Node.js**, and **Aptos** blockchain for secure trading and battling.
  - Integrated **web3** and wallet authentication, processing **120+ NFT trades** with high transaction reliability and boosting user engagement by **60%**.
  - Designed a retro-modern **UI/UX** with **Three.js** for an immersive user experience.

- **Infinitus'24**   (Next.js, Tailwind CSS, Node.js, Three.js)
  - Led development of the **Infinitus'24 Fest website** using **Next.js** and **Node.js**, optimizing for high crowd load and handling **20,000+ student visits**.
  - Integrated a **payment gateway** to securely process **6,000+ registrations** for 10+ cultural and technical events, ensuring robust **networking** and **data storage**.
  - Utilized **Three.js** for dynamic visuals and **Tailwind CSS** for a responsive **UI design**.

TECHNICAL SKILLS

- **Languages:** C++, Java, Python, JavaScript, TypeScript, Solidity, SQL

- **Frameworks & Libraries:** React.js, Node.js, Next.js, Flask, Express.js, TensorFlow, PyTorch, Tailwind, Web3.js, Ethers.js, IPFS

- **Databases:** MongoDB, Firebase

- **Cloud & DevOps:** AWS (EC2, S3, Lambda), GCP, Docker, Kubernetes, Jenkins, **Unix/Linux Environments**

- **Blockchain & Web3:** Solidity, Polygon, Ethereum, Aptos, Smart Contracts, **Distributed Systems**

- **AI & ML:** Machine Learning, Deep Learning, TensorFlow, PyTorch

- **Other: Large-scale System Design**, **API Development**, **Networking** (TCP/IP), **Security**, **UI Design**