

CHAITANYA ALLU

Full Stack Developer | Cloud Engineer | UI/UX Developer | Java | AWS | ReactJS

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Professional Summary

Results-driven Computer Science graduate student with hands-on experience in full stack development, UI/UX design, and cloud-native solutions using AWS and Azure. Adept at building scalable web applications, designing intuitive user interfaces, and deploying secure microservices architectures. Passionate about leveraging modern frameworks and cloud platforms to deliver high-impact, user-centered software solutions in agile, fast-paced environments.

EDUCATION

M.S. in Computer Science

Texas Tech University, Lubbock, TX

Expected May 2025 | GPA: 3.58/4.00

Award: TTU Distinguished Graduate Student Award

Key Coursework: Data Structures, Advanced OS, Neural Networks, Databases, Quantum Computing

Bachelor of Technology in Information Technology

JNTU-GV College of Engineering, Vizianagaram, India

2019 – 2023 | GPA: 8.16/10.00

Key Coursework: Machine Learning, Artificial Intelligence, Data Structures

Technical Skills

- **Languages:** Java, Python, C++, R, C#
- **Web Development:** HTML, CSS, JavaScript, Bootstrap, ReactJS, Node.js, Flask
- **Databases:** MySQL, SQL Server, MongoDB
- **Cloud & DevOps:** AWS (EC2, Lambda, S3, RDS), Azure (App Services, Functions), Docker, Kubernetes
- **UI/UX & Visualization:** Figma, Power BI, Adobe XD, Wireframing, Prototyping
- **Tools & Version Control:** Git, GitHub, CI/CD, Agile (Scrum, Kanban)
- **OS:** Windows, Linux

EXPERIENCE

Java Development Intern | Suven Consultants | Hyderabad, India | Mar 2022 – Apr 2022

- Developed and deployed Spring Boot microservices, reducing system response time by **20%** through asynchronous processing and database indexing.
- Enhanced backend performance and modularity by implementing Java-based multi-threaded services, achieving **30% faster execution** for data-intensive operations.
- Collaborated with frontend team to revamp UI using ReactJS, improving load times by **25%** and reducing user bounce rate in mock testing.

Cybersecurity Intern | Verzeo | Remote | Apr 2020 – Jul 2020

- Conducted security audits and penetration testing across multiple simulated environments, identifying and mitigating vulnerabilities, reducing potential threats by **35%**.
- Built automated scripts for threat detection and log analysis, accelerating breach response time by **40%** and increasing issue resolution efficiency.
- Delivered detailed cybersecurity reports and remediation strategies, aiding in policy improvements and boosting system compliance scores by **25%**.

PROJECTS

Decentralized Student Data Platform

- Designed and deployed a blockchain-based academic data storage system utilizing Ethereum smart contracts and IPFS, integrating AWS S3 to ensure decentralized integrity, data immutability, and reduced retrieval latency.

Real-Time Object Detection System

- Engineered and optimized a YOLO-driven image recognition model deployed on AWS EC2, streamlining inference pipelines to enhance detection precision and real-time processing efficiency for live object classification.

AI-Powered Vulnerability Scanner

- Developed a serverless security auditing tool using AWS Lambda and API Gateway, automating the identification of injection flaws and XSS exploits, thereby fortifying enterprise web infrastructure against critical threats.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** – Validated foundational cloud knowledge and AWS services.
- **IBM Data Analyst (Coursera)** – Gained hands-on experience in data analysis, Excel, SQL, and Python.
- **Cisco Python & Cybersecurity (NetAcad)** – Completed essentials in Python programming and cybersecurity fundamentals.
- **Full-Stack Web Development Bootcamp (Udemy)** – Built dynamic web apps using HTML, CSS, JavaScript, and backend tools.

LEADERSHIP AND ACTIVITIES

- Led a national-level finalist team in Smart India Hackathon 2020, driving cloud-based innovations.
- Mentored peers through the Coding Club and contributed to open-source initiatives via GDSC.
- Volunteered in tech education programs, promoting coding literacy among underserved students.