



EXPERIENCE

SDE Intern, CreditMitra - Hyderabad, TG, IN

Apr'24 - Present

- Created creditmitra.in as a responsive website and hosted it in AWS using S3, Route53 and Cloudfront.
- Implemented MERN backend - SEO, Chatbot, Email, and integrated CICD pipeline using Jenkins and Ansible on EC2.
- Managed creditmitra.in Mail Servers and other DNS records for Google Analytics and Google Tag Manager.
- HRMS portal for all employees in MERN. Used for attendance, payroll, offer letter, employee directory by company.

Lead Surabhi Website, KL University - AP, IN

Sep'23 - Present

- Lead twelve developers to create eight innovative websites for KL's cultural fest Surabhi Django REST, Vue.js and React.js.
- Developed a 3D website using THREE.js and CANNON.js with custom models, shaders and sounds.
- Configured Nginx to work with Gunicorn and Django and deployed on Digital Ocean.

Student Peer Mentor and Teaching Assistant, KL University - AP, IN

June'21 - May'24

- Assisting and guiding students in Digital Forensics, Python Full Stack Development with Django, LLMs, Cryptanalysis and Cyber Defense, and Programming for Smart Contracts.
- Collaborated with faculty for creating course material for workshops and hackathons.

TECHNICAL SKILLS

- Web Server (Apache/Nginx) Administration (Hosting, Deployment and Maintenance) and firewall rules writing WAF.
- Proficient in cybersecurity and forensic tools including Nmap, Nessus, Wireshark, Crunch, FTKImager, Volatility.
- AWS Hosting with EC2 Linux, Mac and Windows, S3, Lambda, Cloudfront, DynamoDB, CodeCommit, CodePipeline, CodeBuild.
- Understanding about OWASP, Secure SDLC frameworks, compliance (PCI DSS, GDPR, HIPPA).
- LLM training and working with stable diffusion models, including frameworks like langchain on AWS Sagemaker and Bedrock.

CERTIFICATIONS & LICENSES

AWS Cloud Practitioner	Jul'23
Certification from IIT Kharagpur - Ethical Hacking (NPTEL)	Dec'23
RedHat Certified Enterprise App Development in Java	Dec'23

PROJECTS

- creditmitra.in website for a FinTech Digital Lending company
- ruluka.com, an e-commerce fashion website in MERN, Redis, and AWS.
- Surabhi Website for KL Universities' main cultural fest.
- El Comicos Website for Stand Up Comedy Club
- E-Commerce comparison website for similar products from Flipkart and Amazon.
- AuditX - compliance and audit platform to manage and execute CIS benchmark scripts.
- A WordPress Blog in LAMP stack and hosted in AWS.
- A bidding system website using MERN and Heroku
- Visualization of cryptojacking's evolution using NLP.
- Item App an app to display items with Sorting and Pagination in Angular.

RESEARCH PUBLICATIONS

Mitigating Software Package hallucinations in Open Source LLM Models	IEEE TDSC
Novel attack vectors to abuse AWS for Cryptojacking	ICAAIC'24
Cloud Security: Recent Trends	WIP
Ransomware Containment for Windows based Environment	WIP
PawnLLM: Unleashing the Power of LLMs in Cybersecurity	WIP

EDUCATION

KL University - B.Tech, CSE Honors, specialising in Cybersecurity and Blockchain	
Current CGPA: 9.1/10	2021 - 2025
LBPS, Rajasthan CBSE (12th) - 83%	2021
DPS, Srinagar - CBSE (10th) - 93%	2019

PROGRAMMING

- Python - PyTorch, numpy, pandas, Django, FastAPI, Langchain, Boto3
- JS - React, NodeJS, Express, Vue
- THREE.js, CANNON.js
- Java Full Stack with Spring.
- Solidity, C, HTML, CSS - Tailwind
- LAMP Stack with Wordpress

COURSEWORK

- A Crash Course in Data Science
- Artificial Intelligence: An Overview
- Introduction to Data Analytics
- SAS Statistical Business Analyst Cert
- Server-side Development with NodeJS, Express and MongoDB
- Introduction to Agile Development and Scrum

OTHER

- Co Lead 80 students for 3 weeks as Student Mentor, Social Internship, in KL University.
- Founder, Stand Up Comedy Club of KL University - Developed a team of 20 people performing consistent shows with 1000+ attendees.
- Table Tennis - Played district and states in AP.