NAHFID NISSAR

LLM & CYBERSEC

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EXPERIENCE

Tech 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".
- Collaborating with faculty on creating course material for workshops and hackathons.

TECHNICAL SKILLS

- Web Server (Apache/Nginx) Administration (Hosting, Deployment and Maintenance) & 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).
- Up to date with latest LLM and 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

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

PROJECTS

- **creditmitra.in** - Website for Credit Mitra - FinTech company
- **klsurabhi.live** - KL University main cultural fest website
- **bit.ly/elcomicos** - Stand Up Comedy Club Website
- **bit.ly/ecommerce-compare** - E-Commerce API Website Flipkart and Amazon
- 3D tour website for KL University
- WordPress Blog in LAMP stack and hosted in AWS.
- Bidding System Website using MERN and Heroku
- ML model for text generation using AWS Sagemaker
- **bit.ly/crypto-visualisation** - visualisation of cryptojacking's evolution using nlp
- RAG GPT on Streamlit using langchain

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

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**

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.

EDUCATION

KL University - B.Tech, CSE (Hons.) Specialising in Cybersecurity and Blockchain

Current CGPA: 9.0/10	2021 - 2025
LBPS, Rajasthan CBSE (12th) - 83%	2021
DPS, Srinagar - CBSE (10th) - 93%	2019