SHAGUN JANGRA

Computer Science Engineering Student
Chandigarh University
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Computer Science Engineering student with hands-on experience in software development, data analysis, and cybersecurity fundamentals through academic projects and virtual job simulations. Strong interest in problem-solving, system design, and building real-world applications. Actively developing technical and analytical skills for software engineering roles.

TECHNICAL SKILLS

Programming Languages:
C, C++, Python, Java

Core Computer Science:
Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Networks

Tools & Technologies:
Git, GitHub, Linux, AWS (basic), UML Diagrams, Entity Relationship Diagrams

PROJECTS

Plagiarism Checker / Radar System
- Built a tool to compare text documents using algorithmic matching
- Improved plagiarism identification accuracy through structured text matching logic

Personal Finance Tracker
- Developed an application to track personal income and expenses
- Implemented categorized analysis with basic visual reporting

Credit Card Fraud Detection System
- Reduced false positives and improved model accuracy
- Focused on reducing false positives and improving prediction accuracy

VIRTUAL JOB SIMULATIONS & EXPERIENCE

Cybersecurity Virtual Experience – Tata Consultancy Services
- Worked on Identity and Access Management (IAM) concepts
- Learned cybersecurity best practices and professional documentation

Advanced Software Engineering Simulation – Walmart Global Tech
- Designed a custom heap data structure in Java
- Created UML class diagrams and database ER models

Solutions Architecture Simulation – Amazon Web Services
- Designed scalable cloud architecture using Elastic Beanstalk
- Communicated technical solutions in clear, business-friendly language

Quantitative Analysis Simulation – JP Morgan Chase & Co.
- Analyzed loan datasets to estimate probability of default
- Applied dynamic programming techniques to financial data

EDUCATION

Bachelor of Engineering – Computer Science and Engineering
Chandigarh University | 2024 – 2028 (Expected)