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Education

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| • Bachelors in Computer Science, Chandigarh University | <i>Session 2021 – 2025</i> | Score: 8.09 CGPA |
| • Intermediate Ideal Education Point , Jaipur (Class 12) | <i>Session 2019 – 2020</i> | Score: 92.00% |
| • Matriculation JPS Public School , Jaipur (Class 10) | <i>Session 2017 – 2018</i> | Score: 86.17% |

Projects

A REAL-TIME FRAUD DETECTION SYSTEM USING CNN

- A real-time fraud detection system using Convolutional Neural Networks (CNN) in Machine Learning efficiently analyzes transaction patterns to identify fraudulent activities with high speed and precision.
- leveraging CNN's ability to extract spatial and temporal features from transaction data, the system can detect anomalies in real-time.
- The model is trained on large-scale financial datasets to ensure robustness and reliability.
- This system achieves an impressive accuracy, significantly reducing false positives and enhancing transaction security.

SECURE FILE SYSTEM USING HYBRID CRYPTOGRAPHY

- A secure file system designed to ensure data confidentiality.
- Utilizes symmetric cryptographic algorithms, such as AES, for encrypting data.
- Employs asymmetric cryptographic algorithms, such as RSA, for secure key exchange.
- Combines the strengths of both AES and RSA to provide robust security.
- Ensures that files remain confidential and secure during storage and transmission.

SET-UP CONTENT DELIVERY NETWORK USING CLOUDFRONT

- A web-based platform that uses Amazon CloudFront, a Content Delivery Network (CDN) service, to distribute and deliver web content globally with low latency and high transfer speeds.
- This setup ensures efficient delivery of web assets (HTML, CSS, JavaScript, images, etc.) to users, improving website performance and scalability.
- CloudFront is integrated with other AWS services like S3 for static assets and Route 53 for DNS management.
- Cache behaviors and distribution settings are configured to optimize content delivery and reduce load on the origin server.
- HTTPS and SSL certificates are enabled to ensure secure content delivery and enhance user trust.

Technical Skills

Programming languages: Java-Oops, Sql, Html5, Css, Java-script, React, Bootstrap, AWS (EC2, S3, Cloud-Front, Route 53), Networking (Https, Dhcp/Dns, Tcp/Ip), Agile Methodologies, Jira, AI/ML.

Developer Tools: VS Code, MySQL, Git/GitHub

Extracurricular: Team Leadership, Management and Coordination, Decision Making, Traveling, Fitness, English, Hindi

Certifications and Awards

- AWS Cloud Practitioner Essentials
- Oracle Generative Ai Professional

Achievements

- 11 times awarded for 1st Position in academic competition in High School
- Awarded by Bhartiya Shiksha Mandal (Govt. Org.) for best research paper based on Health Monitoring system in hospital management
- Runner-up in inter-department cricket tournament during graduation.