RAJNISH CHAUBE

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EXPERIENCE

Next24tech Technology & Services | Intern | AI-ML Developer　　　　　　　　Jun 2024 – Aug 2024
- Built and deployed **high-accuracy** machine learning models for image classification and natural language processing, **boosting accuracy by 15%** through architecture.
- Applied Python and deep learning frameworks (TensorFlow, Keras) to develop fine-tune models, **reducing training time by 20%** with efficient hyperparameter tuning.
- Performed data analysis, feature engineering, and model evaluation to optimize model performance, achieving a 15% increase in accuracy.

CDAC, Noida | Intern | Tester　　　　　　　　Oct 2024 – Nov 2024
- Deployed **AES and SHA-256 encryption** and access control policies, strengthening data integrity and confidentiality **by 30%**.
- Performed **comprehensive vulnerability assessments**, improving system security by identifying and mitigating **key vulnerabilities** in cryptographic protocols.
- Executed security testing strategies, uncovering **critical vulnerabilities** and contributing to **20% faster remediation efforts**.

Oasis Infobyte | Intern | Web Developer　　　　　　　　Nov 2022
- Designed responsive websites using **HTML, CSS, and JavaScript**, adhering to accessibility standards.
- Designed and implemented **REST API integrations**, optimizing website data retrieval and improving response times **by 40%**.
- Enhances **website performance** and speed through optimization techniques (e.g., code minification, image optimization), resulting in a 55% performance increase

TwoWaits | Intern | Programmer　　　　　　　　Aug 2022
- Developed **data structures and algorithms** in C++, increasing code execution efficiency **by 25%**.
- Diagnosed and fixed **critical software bugs**, enhancing reliability and **reducing downtime by 35%**.
- Worked closely with cross-functional teams to develop **scalable and maintainable** code, improving development efficiency **by 20%**.

EDUCATION

Rajkiya Engineering Collage Banda　　　　　　　　**Banda (Uttar Pradesh)**
B.Tech in **Information Technology**　　　　　　　　2021 – 2025

SKILLS

Programming Languages: Python, C++, JavaScript, HTML5, CSS3
Frameworks/Libraries: ReactJS, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, OpenCV
Databases: MySQL, Relational Databases
AI/ML: Machine Learning, Deep Learning, Model Deployment, Algorithm Development, Computer Vision
Security: Encryption, MD5, SHA256, Vulnerability Assessment, Data Protection, Cryptographic Protocols
Other: DSA, Responsive Web Design, Optimization Techniques, Agile Methodologies

PROJECTS

Project1- Web-development
- Created a **modern, user-friendly website** with HTML, CSS, and JavaScript, boosting **accessibility compliance to 95%**.
- Optimized website **loading speed by 55%**, improving user satisfaction and **reducing bounce rate by 30%.**
- Implemented **responsive design**, ensuring a seamless user experience across **100% of tested devices.**

Project2 - Road Line Detection model
- Built a **real-time road line detection system** using Python and OpenCV, improving lane detection **accuracy by 20%**.
- Integrated **Canny edge detection and Hough transform** to enhance road line tracking precision.
- Leveraged OpenCV's image enhancement techniques, **boosting model robustness across diverse lighting conditions**.