Parshad Kyada

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Experience/Internships

iTechBrains - Data Science & Machine Learning Intern   **May 2024 – June 2024**

Developed and deployed predictive models using linear regression to forecast university admission outcomes, analyzing key applicant data such as GPA, entrance exam scores, and extracurricular activities. This project showcased strong analytical, data processing, and modeling skills. Collaborated with a cross-functional team to ensure the model's accuracy and scalability for future predictions, contributing to more efficient decision-making processes in the admissions department.

Projects

- **Shield-API**   **August 2024**

  Designed and developed a comprehensive API security solution aimed at protecting enterprise APIs from vulnerabilities. The solution integrates real-time monitoring, compliance with OWASP Top 10 standards, and a centralized dashboard that streamlines API security management, enabling organizations to safeguard critical digital assets efficiently.

- **DeepFake Detection using AI-Based Techniques**   **March 2024**

  Built an AI-powered system that utilizes Res-Next CNN and LSTM RNN models to identify and classify deepfake videos. This system ensures the authenticity of digital media by detecting manipulated video content, helping organizations and media platforms maintain content integrity.

- **Inventory Management System**   **September 2024**

  Developed an easy-to-use web application to help businesses manage their inventory effectively. The system allows businesses to track stock levels, organize products, and generate real-time reports to improve decision-making and operational efficiency, ultimately leading to better productivity and cost savings.

Technical Skills & Interests

Languages:	Python, C, Bash Scripting, SQL
Technologies/Frameworks:	NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch, Flask, Linux
Developer Tools:	Git, GitHub, Docker, Ansible, VS Code, Jupyter Notebooks, Google Colab
Cloud Platforms:	AWS (EC2, S3, IAM, CloudWatch, SNS, RDS, Amplify, EBS, ASG), GCP, Terraform
Cybersecurity Tools:	Burp Suite, Metasploit, Nessus, OWASP ZAP, Wireshark, OpenVAS, Nmap, Nikto, Hydra, John the Ripper
Databases:	MySQL, MongoDB
Areas of Interest:	Cybersecurity, DevSecOps, Digital Forensics, Machine Learning, API Security
Soft Skills:	Problem Solving, Adaptability, Self-learning, Team Collaboration, Critical Thinking

Education

Pandit Deendayal Energy University, Gujarat   2021 - 2025
B.Tech in Computer Engineering   **CGPA: 9.64/10.0**

Shri K.G Dholakiya School, Gujarat   2021
Gujarat Secondary and Higher Secondary Education   **Percentage: 94.46**

Achievements

Flipkart GRiD 6.0 - Information Security Track   **August 2024**

Advanced to Level 3 of the Flipkart GRiD 6.0 hackathon, competing in the Information Security track. Developed a scalable, user-friendly API security solution integrated into modern enterprises' Software Development Life Cycle (SDLC). This project involved designing and implementing secure APIs with real-time monitoring, ensuring compliance with industry standards such as OWASP Top 10, and incorporating threat detection mechanisms.

Publication

- **Enhancing Anomaly Detection in Industrial Control Systems through Supervised Learning and Explainable Artificial Intelligence**   **August 2024**

Certifications

- **IBM: Cybersecurity Analyst Professional Certificate**
- **NPTEL: Ethical Hacking**

Co-Curricular

Cyber-Security Core Committee Member
ENCODE - The Computer Science Club, Pandit Deendayal Energy University   **July 2023 – July 2024**

- Led initiatives to enhance cybersecurity awareness within the university by organizing workshops, interactive events, and discussions.
- Collaborated with the team to design and implement hands-on training sessions on basic and advanced cybersecurity concepts.
- Contributed to the planning, execution, and promotion of technical events, facilitating collaboration and skill-building among students.

Cyber-Security Core Committee Member
ACM Student Chapter, Pandit Deendayal Energy University   **July 2023 – July 2024**

- Worked closely with the committee to foster a community of cybersecurity enthusiasts within the university.
- Conducted workshops and events to make cybersecurity concepts more accessible to students, focusing on ethical hacking, penetration testing, and best security practices.
- Played a pivotal role in organizing and executing university-wide tech events to promote learning, collaboration, and knowledge-sharing in cybersecurity.