Shivansh Sharma

Computer Engineering Student- 3rd Year 5th Semester

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SUMMARY

As a Computer Engineering student, I possess a strong passion for cybersecurity with a focus on offensive techniques, alongside expertise in machine learning using Python. Proficient in various Python libraries essential for machine learning, I also demonstrate practical proficiency in Linux tools, particularly in Kali Linux, emphasizing offensive security practices. Explore my GitHub account to view my projects and contributions.

PROFESSIONAL EXPERIENCE

Internship

Bharat Intern (MSME) 12/2023 - 01/2024 Online

Utilized Python libraries such as NumPy, Pandas, and Scikit-learn for data preprocessing, feature engineering, and model training in Movie Recommendation and House Price Prediction web apps. Implemented Flask for backend development and Bootstrap for frontend design to ensure seamless integration and user-friendly experience

- House Price Prediction Web-Application (Machine learning Model)
- Movie Recommendation Web-Application (Machine learning Model)

Summer Internship

Public Welfare Department, 08/2022 - 08/2022 Lucknow, UP, India

I gained practical experience in AutoCAD software, focusing on its application in Civil Engineering projects. This included drafting architectural plans, creating 2D and 3D models, and collaborating with engineering teams.

- AUTOCAD- 2D Drafting & 3D Modeling

EDUCATION

Bachelor of Technology, Computer Science & Engineering (LE)

Babu Banarasi Das University 2023 - Present Lucknow, India

Diploma of Engineering, Civil Engineering

Sanjay Gandhi Government Polytechnic 2020 - 2023 Amethi, India

High School & Intermediate (10+2)

Brightland Inter College 2020 Lucknow, India

CERTIFICATIONS

Certified Information Systems Security Professional (CISSP) Security Assessment & Testing and Security Operations

National Electronics & Information Technology Institute: Course On Computer Concepts

Cisco Networking Academy: Introduction To Cyber Security

EC-Council: SQL Injection Attack

ML0101EN By IBM: Machine learning with Python

Bharat Intern Internship Completion

Prism Tech-Fest by University of Lucknow

Amazon AI Concalave

AWS Introduction to Machine Learning: Art of the Possible

TECHNICAL SKILLS

1). Vulnerability Analysis

2). Troubleshooting (Windows, Linux)

3). Penetration Testing (Phishing, Brute Force, SQL Injection, Information Gathering, Etc)

4). Data Cleaning And Data Preprocessing (ML)

5). Virtrual Machine and Cloud Concepts

6). Web Development (Basic Web Applications)

7). Model Designing (Machine Learning)

8). Computer Networking Concepts

9). C++, Python, JAVA (Data Stucture and Algorithm)

10). Team Management

11). Leadership

12). Communication Skills (English, Hindi)

ACTIVITIES

Prism Tech-Fest presented by University of Lucknow

Participated in tech events like Algorithm Arena and Code Mesh, enhancing skills and networking. Grateful for the vibrant community and eager for future opportunities.

Amazon AI Conclave Online 2024

Joined the Amazon AI Conclave Online (Generative AI Edition), connecting with industry leaders. Gained valuable insights into the latest generative AI advancements, fueling my passion for innovation in this field.

AWS Builders Online Series 2024

Engaged in the AWS Builders Online Series, specializing in AWS Cloud concepts. Acquired practical knowledge and skills in cloud computing principles, key AWS services, and deployment strategies.

PROJECTS

- **Live VideoCam Face Detection Model (ML)**

  A live video face detection model uses algorithms like Haar cascades or CNNs to quickly locate and classify human faces in real-time video. It outputs coordinates or bounding boxes of detected faces, crucial for applications such as surveillance and facial recognition due to its speed and accuracy.

- **Car Price Prediction Web Application (ML)**

  Created a Car Price Prediction Model using Linear Regression and Python (pandas, numpy, scikit-learn). Built a Flask app for quick and accurate car price estimates.

- **Ryan - Virtual Voice Assistant for PC**

  Designed for PC users, crafted with Python for seamless integration and personalized interactions

- **Social Media Website Prototype for Colleges**

  Created a college-focused social media website prototype, fostering student interaction and community engagement.

- **House Price Prediction Web Application (ML)**

  Developed a web-based house price prediction application utilizing machine learning algorithms

- **Movie Recomendation Web Application (ML)**

  Engineered a movie recommendation web app utilizing machine learning algorithms within a Jupyter notebook environment