Snehil Srivastav

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EDUCATION

Sharda University, Greater Noida(2021 – 2025)
 Bachelor of Technology in Computer Science Engineering   CGPA: 7.7

City Public School, Noida(2021)
 Senior Secondary (Physics, Chemistry, Mathematics)   Percentage: 76%

INTERNSHIPS

DRDO (Defence Research and Development Organisation), Chandigarh, Research Intern | July 2024 – Nov 2024
- Developing a machine learning model for landslide prediction using satellite imagery and data
- Implementing and comparing models like Decision Trees, Random Forests, and Neural Networks to achieve high prediction accuracy.
- Utilizing Python, TensorFlow, and Scikit-Learn for training models and fine-tuning hyperparameters.
- Building a web-based snow monitoring system using HTML, CSS, JavaScript, SQL, and PHP, offering real-time updates and historical data analysis.

Excelerate (Virtual) Game Developer Intern | June 2023 – July 2023
- Led a team of 8 members as the Team Lead, managing meetings, task assignments, and progress tracking to ensure timely project completion.
- Designed a comprehensive storyline for an RPG game, focusing on enhancing player engagement and immersive gameplay.
- Developed game physics, storyline, and graphics, integrating creative elements with technical solutions.
- Successfully coordinated with team members to complete the project ahead of schedule, ensuring high-quality deliverables.
- Contributed to the game publishing process, collaborating on testing, optimization, and final release.

TECHNICAL SKILLS

- Programming Languages: Java (Android/JavaFX/Swing), Kotlin, Python (Numpy, Pandas, Matplotlib)
- Mobile Development: Android SDK, Firebase, REST APIs
- Front-End: HTML, CSS, JavaScript
- Back-End: PHP, Node.js, Servlet
- Databases:,MySQL, MongoDB
- Libraries & Frameworks: TensorFlow, PyTorch, Scikit-Learn, OpenCV
- Tools & Technologies: GIT, Android Studio, Firebase, Arduino
- Relevant Skills: Mobile App Development, Full Stack Development, Computer Vision (Object Detection)

PROJECTS

1. **Smart Clinic | Technologie:s Java, SQL, Arduino, AWT**
   - Created an IoT-based health monitoring system for remote patient record tracking
   - Utilized Arduino sensors for real-time data collection •
   - Designed Java-based interface for healthcare professionals
2. **Sign Language Detection System| Technologies: Python, TensorFlow, OpenCV**
   - Developed a real-time system for detecting and interpreting sign language gestures.
   - Used Object Detection models with TensorFlow to train the system on large datasets, achieving fast and accurate recognition.
   - Deployed OpenCV to process and classify video frames, allowing for seamless gesture interpretation in real-time applications.
3. **AI CCTV System Technologies: Python, OpenCV, YOLO Model**
   - Designed an AI-driven CCTV system to enhance surveillance by detecting human presence.
   - Integrated the YOLO (You Only Look Once) object detection model to identify and track people in real-time.
   - Optimized system efficiency by storing video footage only when person or face was detected, reducing data storage needs and improving security response.

CERTIFICATIONS

- Database Foundations – Oracle Academy
- Database Programming with SQL – Oracle Academy
- Java Fundamentals – Oracle Academy
- Full-Stack Development – Udemy •
- AiML Artificial Intelligence with Machine Learning in Java – Oracle Academy

ADDITIONAL DETAILS

- Languages: English, Hindi
- Soft Skills: Problem Solving, Adaptability, Team Leadership, Collaboration