Chinmay Lale

Wagholi , Pune | +917620704050 | chinmay29.lale@gmail.com | **LinkedIn**: Chinmay Lale | **Portfolio** | **GitHub**

TECHNICAL PROJECTS

1. **Trata (Patented) :**
   - Engineered and executed a **machine learning pipeline with accuracy of 98% for automated feature extraction and predictive modeling** within a crop monitoring system.
   - **Integrates** multiple **sensor** (4 – 5) data from **IoT devices** with sources
   - On-farm deployment of the system demonstrated effectiveness in improving crop yields
2. **WallE Rover :**
   - Designed and developed a **self-navigating rover** utilizing combination of **sensor fusion techniques**, path planning methods and **Internet of Things (IoT)** technologies
   - The rover successfully navigated through challenging terrain in a real-world in **area of 50m environment**, demonstrating ability to autonomously operate in unstructured and unpredictable settings
3. **The Warrior (Game):**
   - Flawlessly amalgamated an extensive spectrum of **gaming functionalities** using the robust **Unreal Engine** framework, enabling seamless player movement, intricate **combat systems with 60 FPS rate** and puzzle-solving mechanisms
   - Leveraging the cutting-edge capabilities of the **Global Environmental Asset Editor (Geae)**, game world was **detailed sculpted of 5*5 K.m.** fostering an immersive gameplay environment

PATENT

- **Application Number -** 202321026764**, Title - '**AI Based Crop Monitoring & Prediction System**'** **March 2023**

TECHNICAL SKILLS

- **Programming Languages & Tools:** Java , Python , C , C++ , HTML5 , CSS, Streamlit , Django , Android Studio, VM Ware , Unreal Engine , MS Office 365 , Webots , BurpSuit , Solidworks ,React ,GitHub,Gitbash
- **Databases:** Firebase, MySQL
- **Operating Systems:** Windows, Kali-Linux, Ubuntu
- **Project Management:** Scrum, Waterfall
- **Other Skills:** Data Structures, Micro-Controllers, Ethical Hacking, Embedded-Systems,ObjectOriented Programming

EDUCATION

- **Bachelors of technology :** N. K. Orchid College of Engineering & Technology Solapur   2020 - 2024 **Computer Science**. CGPA **:** 7.5

ACHIEVEMENTS

- Led a team to **achieve 2nd place** in a **CSESA hackathon**.
- Exhibited ingenuity and **troubleshooting abilities** by becoming a **finalist among 12 teams in the state-level Avishkar Competition** in the agriculture domain
- Demonstrated strong **debugging** and algorithmic skills by achieving a **top 28.4% ranking** in the Google **Hash Code Qualification Round**
- Illustrated proficiency in **cloud computing** by earning **6 digital badges** from **Google Cloud Skill Boost**

CERTIFICATIONS

- **AZ900(Azure Fundamentals)** : Microsoft
- **Cyber Security Internship :** 1StopAI
- **Google Hash Code**
- **CPP , DSA, Java :** IntelliseIT
- **Power Programmer :** Infosys
- **Data Visualization with Python :** IBM

WORK EXPERIENCE

- **Employability Skills Development (15 days) :** Zensar (2021)
- **Cyber Security Internship (2 Months) :** 1Stop AI (2022)