

Akshat Singh Yadav

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SKILLS

- **Languages:** C++, C, Python, Java, Kotlin
- **Frameworks:** HTML, CSS, JAVASCRIPT, PANDAS, NUMPY, SEABORN
- **Tools/Platforms:** Google Collab, Linux
- **Soft Skills:** Adaptability, Team Work, Leadership, Critical Thinking

PROJECTS

- **Grievance redressal platform for startups** Apr 2025
 - Designed robust feedback and rating mechanism to allow users to evaluate the grievance resolution experience and helping startup for improving their internal process
 - Integrated fire pace service for real time data synchronization, ensuring immediate reflection of submitted grievance and resolution updated across all devices.
 - Constructed secure authentication modules using firebase authentication to manage user accounts and protect sensitive grievance information.**Tech:** Kotlin, Android Studio, FireBase
- **Stock Price Prediction Using Reinforcement Learning** Aug 2024
 - Develop a simulation-based Reinforcement Learning RL trading bot leveraging Q Learning to predict stock price movement and make intelligent buy/sell decisions.
 - Process and analyze extensive historical stock market data using Pandas to train the RL agent, different trading scenarios.
 - Conducted hyperparameter tuning experiment learning rate discount factor exploration rate to optimize the bot's learning efficiency and trading accuracy.**Tech:** Python, Reinforcement Learning, SEABORN
- **Real-Time Wild Life Detection System** Apr 2024
 - Utilized open cv for real time image, capturing preprocessing and implementing robust image enhancement techniques to improve detection accuracy in diverse environmental conditions.
 - Achieved a high classification accuracy of 92% across multiple species, improving the reliability of the system in field conditions.
 - Implemented an alert notification system that sends instant messages or triggers alarms to warn farmers about detected wildlife activity.**Tech:** Python, machine learning, computer vision

CERTIFICATIONS

- Machine Learning Using Python Jun 2024
- Android Development Using Kotlin Nov 2023
- Full Stack Development Feb 2024

ACHIEVEMENTS

- **Scored 951/1000 marks in exam conducted by AWS Microsoft** Dec 2024
Achieved 951 marks out of 1000 in Machine Learning Exam Certification Counted by AWS Microsoft
- **Secured 3rd Rank in speech Competition:** Mar 2023
Among 300+ Skilled Candidates, Secured 3rd place in speech competition on the topic of Women Empowerment.

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering Since August 2022
- **St. Marks Public School** Agra, Uttar Pradesh
Intermediate; Physics, Chemistry, Mathematics April 2020 - March 2021