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SATINDER SINGH

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EMPLOYMENT

Barclays Analyst Intern	Barclays	Jul 2019 - Sep 2019
<ul style="list-style-type: none">• Worked as a part of the Salesforce Team, built a Lightning-based application for object metadata manipulation. Leveraged Apex's ability to call REST-based API, to use the salesforce metadata API.• Used the Apex metadata API as an alternative to slower(manual) object metadata manipulation.		

Languages and Technologies

- Programming Languages - C++, Python (basic)
- Data Structures and algorithms
- Object-Oriented Programming
- Operating Systems - Linux, Windows
- Database - MySQL
- Machine Learning: Pandas, Numpy, Scikit-learn, Keras, Pytorch, Multi-Layer perceptrons, Convolutional Neural Networks, Linear models (Logistic Regression, Linear, Ridge and Lasso Regression), Tree-based algorithms (Decision trees, Random Forest), Naive Bayes, Support Vector Machines, Clustering (K-Means, Hierarchical).
- Familiarity - Object-Oriented Programming Design Patterns, GitHub, Reinforcement Learning, Cloud Computing(AWS, Azure), Docker, raspberry pi.

PROJECTS

- **DeepWay**: A deep learning-based project to help blind people walk autonomously. (115 stars on GitHub).
- **Face Recognition** using deep learning.(120 stars on GitHub).
- Learning to kick using **Genetic algorithms**.
- Solving Maze using the **A-star** algorithm.
- Stone Paper Scissor VS Computer (98 % accuracy) using **deep learning**.
- Automatic Sentry gun for international border protection using **image processing**.
- Word prediction using **TRIE** data structure.
- Automatic light switching for Bathrooms in my college using ultrasonic sensor and raspberry pi.

ACHIEVEMENTS AND RESPONSIBILITIES

- Stood **3rd** at the **Rajkot national Hackathon**.
- Was selected among the top 20 teams in 5 states for **DRDO Robotics** and Unmanned Systems Exposition.
- Stood **first** in **project presentation** in solutions (**2018,2019**).
- Stood first in UGCON AMALGAM (College project competition) for **3 consecutive years**(2017,2018,2019).
- I have a technical **youtube channel** with over **500 subscribers**. (**Reactor Science**).
- Taught deep learning to my juniors (01/2019)

Education

Name of Institution	Course	CGPA/Percentage
Army Institute of Technology, Pune	B.E. Computer Engineering	8.5 C.G.P.A(Average 3 years)
Army Public School, Ambala Cantt	12th	94.6 %

Interests

- Playing badminton
- Love to learn about new gadgets.