SAHIL BASERA

An enthusiastic programmer who enjoys using data to uncover insights that bring value.

sahilbasera@gmail.com   LinkedIn   GitHub

Skills

Python, R, C++, Tableau, Java, Visual Basic, SQL, Machine Learning and Data Analysis

Experience

January 2020 - July 2020

Defence Research And Development Organization, Delhi – *Machine Learning Engineer*

- Built a module that integrates banking and bezier curves to an existing military wargame.
- Invented and developed a modified hierarchical clustering algorithm for air-defence purposes (paper pending).
- Languages Used: Visual Basic and Python

May 2018 - June 2018

Orange Business Services, Gurugram – *Software Developer*

- Designed and developed a fully functioning banking website.
- Languages Used: HTML, CSS, Javascript, Java, SQL.

Projects

Predictive Maintenance On Turbofan – *Ongoing*

- Software that prevents unwanted downtimes by predicting the chances of failure of a NASA Turbofan.
- Uses XGBoost with 98-99% accuracy and 82% recall.

Instagram Bot

- A bot created on Python using Selenium than lists out all people that you follow but don't follow back.

Reinforcement Learning On Car

- Software that teaches cars to climb a hill using Reinforcement Learning in Python.
- Q Learning algorithm was used along with the gym module for a simulated environment.

Awards

- Won the Aurora Award at the NEC Aurora Hackathon out of 600+ participants
- Awarded the best paper presentation award in my trach at ICIot (International Conference On IoT) 2020.
- Bagged the Best Technical Presentation Award in my section of about 60+ students.

Education

May 2016 - June 2020

SRM Institute Of Science And Technology, Chennai – *B.Tech in Computer Science And Engineering*