

Akshay Rakheja

Machine Learning Engineer

Contact

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<https://github.com/akshay-rakheja>

Skills

Expertise in Python



Expertise in Matlab



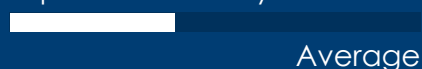
Expertise in C++



Expertise in C



Expertise in Solidity



Languages

English, Hindi

Engineering graduate student with interests in Data Mining, Machine Learning and Decentralized Applications.

Education

2021-01 -
Current

Masters in Engineering: Electrical And Computer Engineering

University of Waterloo - Waterloo, ON

Specialization in AI/ML

2012-08 -
2016-12

Bachelor of Science: Electrical Engineering

Purdue University - West Lafayette, Indiana, USA

Research Project

Driver Behavior Learning

- Worked with Prof Mark Crowley and UWECEML lab on multi-modal data in fixed scenarios
- Performed Feature Extraction and Analysis on a dataset of drives
- Created a vanilla LSTM model to predict distance to the preceding target vehicle

Work History

2019-07 -
2020-02

Hardware Test Engineer

Waymo, Mountain View, CA

- Perform Mechanical, Electrical and Environmental testing, drive hardware validation with a focus on custom hardware and performing RCA.

2017-05 -
2019-07

Test Engineer

Sanmina and Zollner Electronics , San Jose, CA

- Implemented automation solutions for data collection which helped save inventory cost by over 75% at Sanmina and 60% at Zollner Electronics

2013-04 -
2013-06

Electrical Engineering Intern

Gebr. Schmid, Freudenstadt, Germany

- Developed Graphical User Interface for Sensor Based reflection measurements of Solar wafers that helped increase manufacturing efficiency by 65%