Siemens Kuwait Internship (3 weeks) – Aakash Kalantre

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Learning points

1. Basics of Siemens automation industry
2. Basics of AI and Deep Learning
3. Machine Learning algorithms like back propagation and logistic regression
4. Use of Neural Networks
5. Theory of regression using mathematical fundamentals learnt in high school
6. Learning the types of machine learning practices in industry and using data from sensors on cloud
7. Application of Machine Learning using R and RStudio
8. Use of Microsoft APIs to build an interactive UI with text-to-speech software
9. Training of a recognition model online
10. Using the SIMATIC IOT2000 device to learn its configuration to setup and run basic bash and python scripts
11. Implementing an access system using the face recognition UI on an independent Linux system connected to the internet using Wi-Fi / Ethernet
12. Using GitHub for version control of software in Python, mp3 files and shell scripts