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OBJECTIVE

Seeking internship or co-op position to work on machine learning and computer vision projects.

EDUCATION

North Carolina State University   **Raleigh, NC**   **Expected May 2019**

M.S. in Electrical Engineering (specializing in Computational Intelligence); GPA: 3.22

Relevant Coursework: Pattern Recognition; Automated Learning and Data Analysis; Computer Vision; Artificial Intelligence; Analysis and Design of Algorithms; Mechatronics; Random Processes;

Birla Institute of Technology and Sciences, Pilani- Dubai   **Dubai, UAE**   **July 2011**

B.E. (Hons.) in Electrical and Electronics Engineering; CGPA: 7.8.
Bachelor's Thesis: Optimization of floating-point multiplication operation for reduced power consumption.

TECHNICAL SKILLS

Languages: Python; MATLAB; Tableau; R; SQL; VB.Net;
Web Technology/Tools: HTML, CSS; Google Analytics;
Control Systems: Siemens S7-300/400 PLCs; Modicon Telemecanique PLCs
SCADA Software: Siemens WinCC; Wonderware Intouch; GE Fanuc's iFix;
Automated Machineries: Siemens Masterdrives VC, Caterpillar D3500(EUI) Engines, NOV's Cyberbase System, BMC Cranes, PAGA and PABX systems, Fire and Gas Controllers.

PROJECTS

- **Comparison of Decision tree and Naive Bayes algorithms for Image Classification** (Ongoing)- Using MNIST and Extended YaleB dataset.
- **Face image classification using various machine learning models** (Ongoing)- Models used are Gaussian model, Mixture of Gaussian model, Factor Analysis, Mixture of factor analysis, t-distribution and mixture of t-distribution.
- **Improving sentiment analysis algorithms for Twitter Data** (Ongoing)
- **PID Line Following Robot** (Dec, 17): Designed a line following robot using a PID controller and EV3 microcontroller. Implemented the platooning task using a PD controller.
- **Terminal Control System Analysis** (May, 11)- Analyzed and compared the various control systems deployed at traditionally manually operated oil terminal with the present day's advanced control systems.

OIL AND GAS INDUSTRY EXPERIENCE (DESIGNATION: ELECTRONIC TECHNICIAN)

Seadrill Far East Limited   **Gulf of Thailand, Thailand**   **Apr 2015 - Oct 2015**

- Ensured safe and optimal operations of the offshore jack up rig *West Cressida* via the control and instrumentation systems on a day-to-day basis.
- Identified and enhanced the existing CCTV network thereby averting $14,500 worth of expenditure on third party setup and installation.

Seadrill International Resourcing   **Dalian, China**   **Dec 2014- Apr 2015**

- Recruited to manage and maintain the control and instrumentation systems of the newly built sixth generation jack-up rig *West Titan.*
- Commissioned automated drilling machineries, Delta V and Siemens control systems on the rig *West Titan.*

Aban Singapore Pvt. Ltd.   **Persian Gulf, Iran**   **Sep 2011- Dec 2014**

- Designed and implemented additional control features within the existing drilling system onboard the jack-up rig *Aban-8* thereby increasing rig safety and preventing downtime due to certain failures.
- Prepared and implemented preventive maintenance routines for control systems on rig *Deep Driller-4.*

INTERESTS AND HOBBIES

Spanish (Intermediate)	Theatre	Screen-writing	Soccer and Badminton