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Contact

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Objective

Seeking opportunities to design and develop state of the art software solutions, for organizations focusing on the potential of machine learning and automation, in a mutually beneficial role.

Education

National University of Singapore
Master of Science – Automation & Communication Engineering 4.78/5

College of Engineering Trivandrum
Bachelor of Technology – Electronics & Communication 8.74/10

Experience

Aug 2013 – July 2015
Senior Software Engineer • Mindtree Ltd – Bengaluru, India.

- .Net Web Application development for tracking and forecasting carbon footprint for a consumer goods giant - Unilever.
- Designed and developed data pipelines, processed large datasets.
- Scheduled data delivery and web-based reporting and analysis using MS SQL and SSIS.
- Back-end development of a blogging website.
- Monitored ongoing operation of assigned programs and responded to problems by diagnosing and correcting logic and coding errors.
- Trained fellow developers and programmers on SQL server integration services.

Key Skills

Web development: C#, Asp.net, Python, Flask, Django framework

Database: SQL, SSIS

Client-side: JavaScript, jQuery, Bootstrap CSS

ML: Scikit-Learn, NumPy, Pandas, Keras, TensorFlow

Version control: Git, TFS

Academic Projects

Aug 2015 – June 2016
National University of Singapore (NUS), Singapore.

- Studied challenges in control of piezoelectric (PZT) micro actuator in dual-stage servo system using non-parametric methods.
- Modeling and simulation of Baxter Robot, using CAD software 'Rhinoceros'.
- AUTOCATS - Automated Cataract Surgical Device - proposed a system architecture to develop an automated solution to perform cataract surgery, supervised under a surgeon.
- Implemented a Q-learning algorithm with ε - greedy exploration to get an optimal policy.
- Control system design of a Continuous-Flow Stirred Tank Reactor (CSTR) - achieved a stable and robust system with reduced error.
- Intelligent State Identification in Industrial Stamping Machines Using Energy Data, using neural network and K Nearest Neighbor algorithms.

Licenses & Certifications

Python for data science and ML Bootcamp - 2020
Udemy - UC-564f7fe4-ceb3-4a9b-8691-15b85b8dd4d0

Honors & Awards

A-Team award - 2015
Mindtree
For displaying exemplary team spirit.

Unstoppable Award - 2014
Mindtree
Awarded for displaying execution excellence, competent technical staff and responsive tenure.

References

[Available upon request.]