SHREYAS ARUNESH

MSc in Artificial Intelligence

Heriot-Watt University

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in Shreyas Arunesh

CURRICULUM VITAE

EDUCATION QUALIFICATION

MASTER'S IN ARTIFICIAL INTELLIGENCE

HERIOT – WATT UNIVERSITY, EDINBURGH, UK

2020 - *PRESENT*

BACHELOR'S IN ELECTRONICS AND COMMUNICATION

NMAM Institute of Technology *(affiliated by Visvesvaraya Technological University)*

2016 - 2020

WORK EXPERIENCE

Skanray Technologies Pvt.Ltd

DATA ENGINEER / INTERNSHIP / 3/07/2019 – 12/08/2019

ROLE:
- Real-time processing on gathered and stored data.
- Maintaining data Pipelines.
- An Organizational study of the interconnected data ecosystem of company.

Hexmoto Controller's Pvt.Ltd

ROBOT ASSIST INTERN / INTERNSHIP / 03/12/ 2018 – 30/12/2018

ROLE:
- Training on Design of joystick robot controllers.
- Overview of Robot Operating System API to access sensor information.
- Developed and optimized the model to fit in the micro-controller memory.

Kirloskar Groups Pvt.Ltd

INDUSTRIAL MARKETING INTERN / INTERNSHIP / 03/07/ 2018 – 10/08/2018

ROLE:
- Data collection and data quality assurance.
- Analyzing project scop and client servicing.
- Designing and implementing machine learning solutions for external clients under professional services.
- Data Preprocessing and Data Analyzing.

TECHNICAL SKILLS

- Python • Java • Pandas • Scala (Apache Spark) • NumPy • SciPy • Scikit-Learn • Matplotlib •Pytorch Seaborn • Boke •TensorFlow • Keras • C • C++ • Linux

EXPERTIES

- Machine Learning • Deep Learning • Data Wrangling • Data Exploration • Data Visualization Advance Software Engineering

PROJECTS ACOMPLISHED

Automated Submarine for Underwater Exploration and Knowledge Representation.

ACADEMIC / HERIOT-WATT UNIVERSITY / COURSEWORK / SEP 2020 - NOV 2020

ROLE:
- Prolog program to represent the knowledge in the Monster game defining Rules and Facts.
- Modeling the submarine implementing PDDL (Planning Domain Definition Language).
- Testing the solution on a series of different problem scenarios.

Robotic Border Surveillance System using LBP Algorihm (RBSS-LBP)

ACADAMICS / BACHLORS THESIS / AUG 2019 – JUN 2020

ROLE:
- Time Series Data analysis.
- Exploring insightful patters in the data.
- Developed and optimized the model to fit in the micro-controller memory.

Real-Time Heart Rate Monitoring System with SMS Alerts.

PERSONAL / PROJECT / JUL 2018 - AUG 2018

ROLE:

- Exploration of Data.
- Accuracy level 84% using SVM algorithm.
- 10-fold cross-validation for performance analysis.
- SMS Notification through GSM technology.

PUBLICATIONS

Robotic Border Surveillance System using LBP Algorihm (RBSS - LBP)

IEEE- NMAMIT CONFERENCE | June 2020 | Yet to be Published Online.

Design and Implementation of Automatic Lawn cutter

International Journal of Science Technology & Engineering | Volume 2 | Issue 11

Defense against the Survivability to Network strategy

CRC press Taylor and Francis edition, 2nd chapter in Cyber Defense Mechanisms: Security, Privacy, and Challenges.

Optical Network Implementation using Survivability Capacity Connectivity Algorithm

ICCCE 2020. Lecture Notes in Electrical Engineering, vol 698. Springer, Singapore

CERTIFICATIONS

- TensorFlow Developer Specialization.

- Deep Learning Specialization.

- Machine Learning for Business Professional.

AWARDS

- Received "Future Made for Success Scholarship".

- Best IEEE-NMAMIT Student branch chair.

COMMUNITY SERVICES

- IEEE-NMAMIT, NITTE Student Branch Chair (January 2020 – January 2021).

- NSS (National Service Scheme)-Captain (January 2019 – March 2020)