Favas M

Tiger Analytics | Indian Institute of Technology Madras | Chennai, India
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Summary

Data Scientist with a solid qualitative background and demonstrated ability of delivering valuable insights via data analytics. Proficient in predictive modelling, data processing and data cleaning algorithms. Well versed with machine learning algorithms and natural language processing.
Expertise: Python, Git, Deep Learning, Data Visualization

Professional Experience

Tiger Analytics **Chennai, India**
Senior Data Analyst *December 2021 – Present*

- Advanced Analytics (NLP) Team
  - Developing a library to create code templates for ready made use of different NLP techniques
  - Working on Extracting underlying data from different kind of documents like handwritten layouts, charts and invoices.
  - Created an embedding based deep learning model to map products with similar description
  - Worked on a machine learning model to identify the aspect based sentiment for product reviews
  - Implemented a transformer based algorithm to easily cluster the topics in a document and visualizing the topics.
- Consumer Packaged Goods (CPG) Team
  - Analyzed the level impact of different business decisions on the sales and customer acquisition for different time scales.
  - Build predictive models using various machine learning tools to forecast the sales and the requirements for different products.
  - Designed algorithm to track and detect customers prone to attrition based on the customer order patterns.
  - Conducted a market basket analysis to uncover the associations between different products. Developed an algorithm to create combinations of products to ease the shopping.

Micron Technologies Inc **Hyderabad, India**
Solutions Engineer *August 2020 – August 2021*

- Applied data analytic and optimizations techniques in manufacturing to improve yield and reliability.
- Developed and Deployed scalable code into production using CI/CD tools.
- Responsible for investigating the failures and yield losses by analyzing the data for failure patterns.

Mahindra and Mahindra Ltd **Chennai, India**
Graduate Technical Intern *May 2018 - June 2018*

- Worked on intelligent farm devices in the Department of Sustainability, Innovation and Technology.
- Developed an intelligent precision vineyard sprayer for automatic detection of pests and the accurate spraying of pesticides.
- Analysed the pest detection ability for different cameras and varied exposure to sunlight.

Education

Indian Institute of Technology Madras **Chennai, India**
Master of Technology, GPA - 8.62/10 *2018 - 2020*

Indian Institute of Technology Madras — **Chennai, India**
Bachelor of Technology, GPA - 8.10/10 — *2015 - 2020*

Kerala State Board — **Kerala, India**
Class 12th, GPA - 9.62/10 — *2012 - 2014*

Central Board of Secondary Education — **Kerala, India**
Class 10th, GPA - 10/10 — *2011 - 2012*

Scholastic Achievements

- Scored **99 percentile** in the CAT 2021 and secured admission to the top business schools in India. 2021
- Awarded with Charpak Scholarship for Exchange program in France 2018
- All India Rank - 1820 in JEE 2015, taken by 1.3 million students (99.86 percentile) 2015
- Selected for INSPIRE Fellowship(99 percentile) for the excellence in class XII 2014

Research Projects

M.Tech Project — **IIT Madras**
Guide: Prof. Ranjith Mohan — *July 2019 – June 2020*

- Developed an autonomous quad-copter capable of navigating in GPS-denied environments.
- Implemented SLAM based algorithm that analyse the image data from a stereo-vision based setup to build a 3D representation of the surroundings.

Fire Fighting drone — **IIT Madras**
Guide: Prof. Ranjith Mohan — *April 2019 – June 2019*

- Worked on an Autonomous Unmanned Aerial Vehicle with an onboard Raspberry Pi and Pixhawk as a flight controller for outdoor firefighting missions.
- Developed a GPS-based navigation system that enables the Aerial Vehicle to find the path and navigate through the given waypoints to the fire spot.

Battleship Game — **Ecole Centrale de Nantes**
Guide: Prof. O Kermorgant — *Sept 2018 – Jan 2018*

- Designed a Battleship Game Bot to identify the type of battleship and its position in the grid.
- Implemented an algorithm that uses Hunt with parity and Target strategy for identifying the ship.

Relevant Courses and Skills

- Courses
  - Machine Learning
  - Artificial Intelligence
  - Probability and Statistics
  - Differential Equations
  - Deep Learning*
  - Data Structures and Algorithms*
- Skills
  - Python,SQL
  - Pandas,Scikit-Learn
  - PyTorch,TensorFlow
  - Git, SVN
  - MS Excel, Latex
  - Matplotlib,Plotly