ABHEYRAJ SINGH MADHU

Master's Student in Computer Science

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SUMMARY

Aspiring software developer interested in Software development & Data analysis. Experienced in agile methodology of software development. Knowledgeable in Machine Learning, Artificial Intelligence, Computer Networking and Software. C and python programmer, awaiting to serve and be a valued member of an esteemed organisation where my skills can be best utilized for the development of the organisation.

EXPERIENCE

Master Thesis Intern R&D

Ericsson

📅 January 2020 – October 2020   📍 Karlskrona, Sweden

- Data Analysis R&D Thesis on Analysing Wait reports using Statistical and/or Machine Learning tools.
- Wait reports generated from Ericsson, are analysed to detect anomalies and their occurrence upon customer request with help of a tool.
- And the system responsible for the problem is identified by analysing wait reports.
- Language, Tool& Framework: **Python,PyCharm, Flask.**
- Algorithms :**Isolation Forest**

Research Intern

INCOIS (Indian National Center for Ocean Information Services)

📅 August 2018 - November 2018   📍 Hyderabad, India

- Data Analysis research Project on Spatial Cluster Analysis using the Max-P algorithm in Machine Learning.
- knowledge in area of Spatial Clusters, max-p algorithm and its applications have been developed and achieved.
- Language and Tool: **Python, JupyterNotebook**
- Algorithm : **The Max-p-Regions Problem**

PROJECTS

Credit card fraud detection using Machine learning

Project under machine learning course

📅 November 2020 – January 2020   📍 BTH

- Master's course project in machine learning.
- Data analysis

Wumpus Game using Applied Artificial Intelligence

Project on writing logic to the AI agent in the game called Wumpus

📅 August 2019 - October 2019   📍 BTH

- Applied Artificial Intelligence course.
- Algorithm used: A* algorithm.
- Language: Java.
- Available on Github as *Wumpus*

EDUCATION

M.Sc. in Computer Science Engineering

Blekinge Institute of Technology, BTH

📅 Ongoing   📍 Karlskrona, Sweden

B.Tech. in Computer Science Engineering

Jawaharlal Nehru Technological University, JNTUH

📅 November 2018   📍 Hyderabad, India

STRENGTHS

- Main Development Languages

C   C++   Python   JAVA   R   LaTex

- Development WEB

HTML   CSS   Bootstrap   Javascript   jQuery   React.js   XML

- Development Tools – IDE

NetBeans   Eclipse   Spyder   Anaconda   JuypterNotebook   PyCharm   Tableau

- Development Tools – DB

PostgreSQL   MySQL   SQLite   Cassandra

- Other tools & Frameworks

MATLAB   Docker   Git   Gerrit   Spark   Flask   AWS & Cloud

- Development – Software methodologies

Agile Scrum methodology

Lean methodology

Basic AUTOSAR architecture

Kalaha Game using Applied Artificial Intelligence

Project on writing logic to the AI in the game called Kalaha.

📅 August 2019 - October 2019   📍 BTH

Sentiment Analysis by classifying text using Contextual Bi-directional Long Short Term Memory(CBLSTM)

Emotions in a text are identified by using the CBLSTM algorithm under Neural Networks.

📅 January 2019 - March 2019   📍 BTH

- Research metholgy in Computer science and software engineering course.
- Dataset: IMDB reviews.
- Available on GitHub as *CBLSTM*.

Theme Recommendation System

Building a Decision Support System that can Recommend Themes for different Text editors

📅 March 2019 - June 2019   📍 BTH

- Decision support systems course.
- This is done by training the system to recommend themes based on the input given by the user in the form of Ratings.

Inventory Management System

Preparing a Software requirement specification document

📅 January 2018 - May 2018   📍 JNTUH

- Software Engineering course.
- Listing the process carried out in Inventory management system and visualising them using UML diagrams.

SOFTSKILLS

Team Work   Social   Learning Potential   Flexibility

Professionalism   Responsibility   MultiTasking

Working Under Pressure

CERTIFICATES

Python Bootcamp: Zero to Hero

Udemy

📅 28 hours   📍 Online

Web development of an e-commerce website

Internshala

📅 2 months   📍 Online

VOLUNTEERING

Student Ambassador

Assisting students who are new to BTH

📅 2019 - Ongoing   📍 BTH

XP 2020 Volunteer

21st International Conference on Agile Software Development

📅 June 8 - 12, 2020   📍 xp2020

Student coordinator

3K Run for Cancer Awareness

📅 March 2019   📍 JNTUH

Student volunteer

The Gender Sensitization workshop

📅 November 2016   📍 JNTUH

LANGUAGES

English	●●●●●
Hindi	●●●●●
Telugu	●●●●●
Swedish	●○○○○

REFERENCE

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