GEET JETHWANI

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- A programmer that builds applications with Machine Learning capabilities.
- A Machine Learning and AI enthusiast, with hands-on experience leveraging machine learning models and data mining to uncover insights.
- A Data Engineering Professional with working experience on Hadoop platform and Spark.
- Gained Experience working as a Java trainee and then Big data developer at Allstate Solutions.
- Prior to joining Allstate, A Machine learning and AI intern at National University of Singapore, implemented machine learning algorithms to solve challenging business problems.
- Currently pursuing masters in Intelligent Systems at National University of Singapore. Looking forward to work in a data-driven organization and solve business challenges by building smarter applications with machine learning capabilities.

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE, Singapore *May 2021*
Masters in Intelligent Systems (formerly Knowledge Engineering) *CGPA:3.82/5*

Courses: Intelligent Reasoning Systems , Pattern Recognition Systems, Vision Systems, Spatial Reasoning, Intelligent Sensing and Sense Making, Natural Language Processing, Text Analytics, Cognitive Systems

CHRIST UNIVERSITY, Bangalore, India *June 2019*
Bachelor of Technology in Computer Science *CGPA: 9.53/10*
Courses: Operating Systems, Business Analytics, Data Structures, Computer Organization, Computer Networks, Cloud Computing, Data Science, Web Applications, Mobile Development, SPSS

KEY SKILLS

Python | Java | C | C++ | R | Machine Learning | Deep Learning | Natural Language Processing | Application Development | Keras | Dialogflow | Chatbot development | JavaScript | jQuery | HTML | CSS | Text Analytics | SQL | Computer Vision | Big Data Analysis | Apache Spark | PySpark |AWS | SPSS | Hive QL | Spark ML |

PROFESSIONAL EXPERIENCE

Schlumberger, Singapore – Intern (Machine Learning) *Feb 2021 - Present*
- Developed a chatbot application that can:
    - Respond to general queries about Schlumberger
    - Open Specific documents based on search phrase and highlight the phrase in the document.
    - Responds through text or voice and reads the document to you.
    - Frontend - HTML, CSS , Scripting - JavaScript , jQuery , Python

Allstate Solutions Private Limited, Bangalore – *Associate Consultant* *Aug 2020 – June 2020*
- Part of Data Analytics and Responsive Technologies – Data Engineering team.
- Responsibilities included data loading, view creation, extract creation and data validations on hive.
- Attended Java training at Spring People to support salesforce team.
- Worked mainly with processing of semi-structured data (Json).

NUS-School of Computing, Singapore – Academic Intern *May 2018 – June 2018*
- Internship Aimed at Understanding the core concepts of Machine Learning and Artificial Neural Network
- Worked on Machine learning frameworks and libraries like Tensorflow , Keras and Scikit-learn.
- Developed Core understanding of Neural Nets, Multi layered perceptron's, CNNs and RNNs.

Hewlett Packard Enterprises, Singapore – trainee *May 2018 – June 2018*
- Training Aimed at Understanding the core concepts of Big Data Analytics and Apache Spark.
- Spark Streaming, Machine Learning, Spark Data Frames and set-up of multiple clusters.

WIZNET TECHNOLOGIES LTD, Bengaluru, India – Intern (R&D) *April 2018 –May 2018*
- Internship Aimed at solving real world problems using the WIZ750SR.
- Effectively managed to make an autonomous voice controlled bot Using WIZ750SR and Echo.
- Managed to effectively present the solution on the Hackster.io and Win the Runner up prize.

RELIANCE JIO INFOCOMM LIMITED, Bengaluru, India – Intern *April 2017 –May 2017*
- Interned as a Java and Web Portal Developer.
- Managed to effectively Built web pages to support the Asia-Africa-Europe cable project.
- Worked on developing web pages through HTML,CSS, Javascript.

ACADEMIC PROJECTS

At National University of Singapore
Big Data Reasoning and CSP Optimization Workshop *June 2020 –July 2020*
- Designed workshops and developed course material on Machine memory, Big data reasoning and CSP optimization for NUS-ISS Intelligent Systems Course
- Integrated the following concepts for the course :
    - Machine Memory : SQL database , working with SQLite
    - Big Data Reasoning: Big data overview , Hadoop/Spark Basics, NoSQL, SparkML
    - CSP Optimization: CSP Overview , CSP Applications &toolkits (Google OR)

WAM (Wear A Mask) rule breaker detection *Aug 2020 – Sept 2020*
- Built face mask detection using OpenCV DNN face detector.
- Frameworks and libraries used : Tensorflow, Keras and opencv
- Used OpenCV to do real-time face detection from a live stream via webcam.
- Project Demo: https://www.youtube.com/watch?v=jT8dTeMML_Q&t=292s

Map My House *Aug 2020 – Oct 2020*
- Developed a computer vision solution for interior designing using hand gesture recognition
- Hand detection system built using Yolov3 was used to detect items and move them.
- Hand gesture recognition was used for designing the layout of the house.
- Project Demo: https://www.youtube.com/watch?v=Ykaqr8H7q9c

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At Christy University
Quizalytics, Tools for Teachers *Jan 2019–March 2019*
- Designed and Developed analytical quiz application that generates quiz based on lecture topic taught and generates analytical report based on student performance
- The application also helps to take feedback and performs sentimental analysis on text

ECHOTRON *May 2018-June 2018*
- Designed an autonomous bot that would respond to voice commands using Echo dot.
- Managed to effectively Design a bot using WIZ750SR Serial to Ethernet board .
- Achieved Runner Up position in the international Serial to Ethernet contest on Hackster.io .

Baggage Tracking and Automatic Baggage Transfer *Oct 2017–Nov 2017*
- Developed an IOT based model aimed at tracking of baggages to reduce baggage misplacement at airports.
- Model was built through RFID-enabled Conveyors
- Project won 3rd prize in International IOT competition organized by WizNet

CERTIFICATIONS
- Big Data Analytics using ANNs
- Neural Networks and Deep Learning
- Front-End Web UI Frameworks and Tools: Bootstrap 4
- Intelligent Reasoning Systems – NUS
- Pattern Recognition System (Deep Learning) - NUS
- Intelligent Sensing System (Computer Vision) - NUS

ACCOMPLISHMENTS
- Offered ANU Chancellor's International Scholarship worth AUD 25,000 for Masters in Machine Learning and Computer Vision at ANU.
- Received USD 1500 for Winning International IOT & Automation Competitions at Wiznet.
- **Runner up** in the **International IOT Serial to Ethernet Contest** on Hackster.io
- Awarded **Third Prize** in **International IOT Competition** organized by Wiznet
- Worked as Statistics Head and Organizer for Magnovite at Christ University
- Active member for CSA, volunteered in many events like Blood Donation and Cleanliness Drive
- Secured Third Place in Extempore in Inter-Departmental College fest.

PUBLICATIONS
- **Jethwani, Geet,** et al. "An Effective Time Series Analysis for Equity Market Prediction Using Deep Learning Model." 2019 International Conference on Data Science and Communication (IconDSC). IEEE, 2019.
  Overview: A research paper that provides analysis of stock market using different hyperparameters for RNN and LSTM.

- **Jethwani**, **Geet**, Akshay Sachdeva, and Mausumi Goswami. "An Empirical Analysis of ML Algorithms." Available at SSRN 3358099 (2019).
  Overview: This research paper provides the comparative analysis of different classification algorithms