Jeeva Saravana Bhavanandam

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ACADEMICS

Masters of Science, Data Science| Michigan State University
Aug' 2023 - Present | East Lansing, Michigan
Bachelor of Engineering, Computer Science and Engineering| Anna University
Aug' 2017 - April 2021 | Chennai, India | ***CGPA**: 8.86/10.0*

PROFESSIONAL EXPERIENCE

Research Assistant, *Part-Time* | *Henry Ford Health System*
Oct' 2023 - Present | East Lansing, Michigan
- Actively involved in a collaborative Cancer Research Study with Henry Ford Health System and Michigan State University.
- Contribute to data science initiatives, showcasing dedication to advancing healthcare through research.

Software Development Engineer*, Full-Time* | *Zoho Corporation*
May 2021 - July 2023(2 Years, 3 Months) | Chennai, India
- Designed and developed enterprise-level SaaS applications, integrating Downtime Management support into ServiceDesk Plus for streamlined downtime handling throughout the entire lifecycle.
- Coordinated downtime scheduling across various modules, oversaw time-sensitive updates, and collaborated with other development teams to address feature-related issues.
- Implemented Lookup Field support, enabling users to create fields with predefined values for standardized and controlled input data, ensuring consistency and accuracy across the module.
- Led a collaborative effort to transform the Release Role into a Multi-Reference field, enhancing user capability to delineate access permissions across different stages within releases.

Software Development Intern, *Full-Time* | Zoho Corporation
Feb 2021 - April 2021 | Chennai, India
- Independently created a PC Part Picker web app using Java, JavaScript, RestAPI, and SQL.
- Enhanced flexibility and functionality through the development of multiple modules, assisting users in selecting and configuring PC components.

Machine Learning Intern*, Internship* | *Verzeo*
May 2020 - Jul 2020 | Remote
- Worked on Sentimental Analysis, preprocessing, and analyzing a large set of Twitter data for emotional pattern recognition of tweets.
- Utilized NLTK (Natural Language Toolkit), spaCy, and the Stanford NLP library to tokenize, parse, and preprocess text data.
- Built a sentiment classifier with a pre-trained NLP model: BERT.

PROJECTS

Event Detection and Summarization of Reddit and Thread Post (Ongoing)
- The system aims to identify important events occurring in temporal order from the mined data scraped from Reddit and Thread posts, as well as comments, and provide an abstract summary of events. We aim to utilize different encoders and transformers and analyze the metrics to yield an accurate cohesion of events.

Crop Diseases Classification System | github.com/JeevaSaravanan/CROP-DISEASES-CLASSIFICATIO
- The System supports farmers in identifying crop diseases. The primary objective is to distinguish the illness introduced in plants by capturing its morphology. The user-friendly mobile application is a portal for farmers to identify and get remedies.
- Among 100 teams bagged **2nd** place in Prototype Show Conducted at **National Level Symposium.**

Face Liveness Monitoring System | github.com/JeevaSaravanan/Face-Liveness-Monitoring-
- Face recognition systems can be circumvented simply by holding up a person's photo to the face recognition camera. To make face recognition systems more secure, the system will be able to detect fake/non-real faces—Liveness detection.

TECHNICAL SKILLS

Programming Languages: Python, R, C, Java, JavaScript, SQL, JSON, HTML, CSS **Tools:** RestAPI, Pytorch, scikit-learn, OpenCV, TensorFlow, Pandas, NumPy, Keras, Matplotlib, Microsoft office, Matlab,Hadoop, NLTK, spaCy, BERT, Seaborn, Altair, Flask, MySQL, PostgreSQL, Firebase, MongoDB **Concepts:** Computer Network, Operating System, Full Stack Development, Backend-Developer, NLP, Machine Learning, Deep Learning, Classification Model, Text Extraction, Data Visualization