PRADEEP JAJJARA

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EDUCATION

2016 - 2020 | B.Tech. in Computer Engineering

Indian Institute of Information Technology, Design, and Manufacturing,
Kancheepuram, Chennai, Tamil Nadu, India. 7.55 CGPA

RELEVANT COURSES

Programming & Data Structures, Machine Learning, Database Systems, Design and Analysis of Algorithms, Computational Engineering, Operating Systems, Computer Networking, Computer Organization, and Advanced Data Structures & Algorithms.

PROFESSIONAL EXPERIENCE

April 2021 - Present | Software Engineer

GAVS Technologies, Chennai

- **Automation using Python and Apache Airflow**
  - Implemented more than 30 use cases for automation.
  - Reduced manual intervention of device/service failures through automation.
  - Worked as SPOC for multiple clients and saved around 300 hours worth of effort savings.
  - Worked on various tools such as Kubernetes, MongoDB, and PostgreSQL.
- **ELK Stack**
  - Worked on Kibana and Elastic for migrating the internal product.
  - Decreased widget-building time using various tools in Kibana.
  - Implemented scripts for ease of access.

May 2019 - October 2019 | Data Science Intern

GAVS Technologies, Chennai

- **Chatbot**
  - Built a Contextual chatbot in Python from scratch using Machine Learning and NLP.
  - Used tools like NLTK, Spacy, and Gensim and deployed the model using Flask API.PROJECTS

2021 | Contact Supplier Bot: Open Source (non-academic project)

- Worked on an end-to-end chatbot for querying crucial resources to a supplier during India's 2nd wave of covid-19.
- Wrote the code for parsing and extracting information from the chat and storing it in an accessible data format.
- Used various techniques in NLP and modules like NLTK and Spacy.

2020 | Suicide Tweet Identification - Hackmakers Hackathon (non-academic)

- Collected data on tweets related to suicide before and after covid-19 using Twitter APIs and web scraping.
- Analyzed the data and created AI models to classify tweets according to risk level.

2020 | Final Semester Project: Aqua Culture Monitoring using ML, DST-sponsored, Govt. of India

- Developed an efficient water quality monitoring system by minimizing the number of sensors.
- Predicted the relations between attributes and identified faulty readings using ML models.
- Implemented a research paper for predicting dissolved oxygen based on temperature and pH.
- Predicted the dissolved oxygen sensor values based on other sensor readings.

2019 | Smart Belt for Visually Impaired People

- Developed a system to recognize an object in front of a person in real-time using cameras with Deep Learning using Tensorflow and notified users using voice commands.
- The system helped blind persons navigate using various sensors like the PIR Motion Detector and the Ultrasonic Obstacle Detector attached to the belt.

2018 | Flash game: Egg Catcher

- Developed the game as a part of a college course on Operating Systems, using Pygame in Python3.
- Used multi-threading for the smooth operation of the game.

SKILLS

- Python, R, C++, Javascript, React, NoSQL, SQL
- Apache Airflow, Kubernetes, Docker, Keras, Tensorflow, Pytorch

TECHNICAL CERTIFICATIONS

- Machine Learning on GCP Specialization (Google Cloud & Coursera).
- Natural Language Specialization (Deep Learning.ai & Coursera).
- Data Analysis with Python (IBM & Coursera).
- Deep Learning Specialization (Deep Learning.ai & Coursera).
- Python for Data Science and Machine Learning Bootcamp (Udemy).

ACTIVITIES AND AWARDS

- Star Performer for the Quarter 2022 Q1 at Gavs.
- Star Team of the Year 2021 - 2022 at Gavs.
- Secured 3rd Place in the Hackmakers Build With AI Hackathon.
- Secured 1st Place in AVISHKAR at IIITDM Kancheepuram.