Ranjith Reddy Gaddam

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Work experience

Software Engineer   June 2021 – December 2021

FactSet Research Systems Inc

- Worked on developing and maintaining a software system that provides solutions in integrating financial data and analytics.
- Built a client-facing API called 'Holiday Management' which allows clients to fetch holidays (both history and future) for stock market indices.
- Setup infrastructure and developed Python-based automated jobs for data collection, storage.

Software Engineer Intern   February 2021 – June 2021

FactSet Research Systems Inc

- Worked on ETL (Extract Transform Load) related processes.
- Developed and maintained a python-based internal tool named 'Benchmark Editor'
- 'Benchmark Editor' helps in manipulating stock-market vendor data before storing it in a client-facing database.

Education

Master of Science   January 2022 – Present

California State University, Long Beach

- Master's degree in Computer Science.
- CGPA of 4/4.

Bachelor of Engineering   August 2017 – June 2021

Chaitanya Bharathi Institute of Technology

- Bachelor's degree in Information Technology.
- CGPA of 8.41/10.

Academic Projects

Malicious URL Detection using Machine Learning   December 2020 – April 2021

- Built a Machine Learning model to detect unsafe URLs.
- Various attributes like URL length, domain, etc are extracted from the URL and are passed to the model running on the Naive Bayes algorithm.
- Developed a user-friendly Chrome extension upon this model to make it convenient.

College Cart   August 2020 – December 2020

- Developed an application to create a common space for students from our students to exchange their used products.
- Used Django's MVC framework in the back end.
- PostgreSQL database is used to store data in the back end.

College Forum   December 2019 – April 2020

- Built a Java-based application to enable students within our college to clarify their queries.
- Implemented Java's Remote Method Invocation technology in the backed.
- Integrated the application with MySQL database.

Library Management   August 2019 – December 2019

- Created a CPP-based application to computerize the traditional paper-based library management system.
- Used MySQL database to store data.

Skills

Programming Languages: C, C++, Python, Java.
Web: HTML, CSS.
Database: MySQL, PostgreSQL.
Tools: GitHub.
Operating System: Windows, Linux.
Web Frameworks: Django, Flask.

Publications

Early Prediction and Analysis of Corona Pandemic Outbreak using Deep Learning Technique

Emerald Publishing Limited journal, 2021

Worked on studying and developing a deep learning model that provides COVID-19 statistics as well as pandemic outbreak predictions.

Machine Learning-based approaches for efficient detection of Malicious URLs

International Journal of Computer Engineering and Applications, Vol XV, Issue III, 2021.
Worked on studying and building machine learning models to classify and predict malicious URLs.