

Joel Varma Dirisam

FULL STACK DEVELOPER · PYTHON · TECH BLOGGER · AUTHOR

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Experience

SciEnhns Scientific Solutions

FULL STACK DEVELOPER

Hyderabad, India

May 2016–Jul. 2018

- 2+ years of experience in Design and Development of a web application–Manuscript Tracking System(CMS) using Django, Python and RESTful APIs based on Model view controller(MVC) architecture
- Worked with object/relational database PostgreSQL to create tables & optimize queries
- Experienced with Object oriented programming (OOPs) and agile methodologies
- Responsible for writing django unit tests and testing functional UI/UX aspects of the design using Selenium
- Solely responsible for maintaining and deploying software into production on AWS & Digital Ocean servers
- Automated daily and weekly reports in Admin module using Celery, RabbitMQ that reduced the manual work by 90%
- Responsible for developing web crawlers in python to extract data from the websites
- Responsible for designing user interfaces using HTML5, Javascript, CSS, Bootstrap and creating data visualization using Charts.js, D3.js

HCL Technologies

SOFTWARE ENGINEERING INTERN

Hyderabad, India

May 2015–Jun. 2015

- Responsible for developing search & recommendation modules for backend processes in PHP
- Initiated and designed 50% of website pages for Online student portal using HTML5, Javascript and CSS

Projects

Media sharing platform

WRITTEN IN PYTHON, REACTJS

Oct.2019–Dec.2019

- Developed and deployed a media sharing website to Heroku and optimized the page load times

Video Streaming Website

WRITTEN IN PYTHON, NODEJS, REACTJS

Aug. 2019–Sept.2019

- Developed a video streaming application to asynchronously load chunks of video to reduce buffer time of video

Classification of proposed projects on Donorschoose.org

WRITTEN IN PYTHON

Apr. 2019–Jun. 2019

- To apply various machine learning algorithms and find out best hyperparameter using various feature vectorizations

Chatbot - A Conversational Agent

WRITTEN IN PYTHON

Aug. 2018–Dec. 2018

- Developed a chatbot using Seq2Seq model based LSTM neural networks using Google Cloud Platform (GCP)

Communication

Technical Blog

<https://medium.com/@joelvarmadirisam>

April 2019–Present

- Writing blogs on Machine learning in medium
- Recent write up on ‘How Logistic Regression works’ was featured in Analytics Vidhya’s blog

Co-Author

INDJST, Indian Journal of Science and Technology

- Anuradha G, Joel Varma D. Fuzzy Based Summarization of Product Reviews for Better Analysis. Indian Journal of Science and Technology. 2016; 9(31):1-9.DOI: 10.17485/IJST/2016/v9i31/98481.

Technical Skills

- Libraries/Tools: Django, Flask, Reactjs, Selenium, Beautiful Soup, Docker, Sci-kit learn, Git, PIP3, JIRA
- Languages: Python, Java, SQL, C, C++
- Environments: Python2&3, Github, PyCharm, Linux, Shell scripting

Education

CSUF(California State University,Fullerton)

M.S. IN COMPUTER SCIENCE, GPA=3.5

Fullerton, CA

GRADUATION DATE: MAY 2020

GMRIT(GMR Institute of Technology, Rajam)

B.Tech IN COMPUTER SCIENCE, GPA=8.4

AP, India

Sept. 2012–Apr.2016