VIHAR KURAMA

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EDUCATION

Chaitanya Bharathi Institute of Technology, Hyderabad　　　　　*August 2015 - March 2019*
BE, Dept. of Computer Science and Engineering
Relevant coursework: Software Engineering, Web Technologies, Data Science, Soft Computing

WORK EXPERIENCE

Caravel.AI, Hyderabad　　　　　*March 2017 - Present*
Co-Founder, Full Stack Engineer

· Playing a key role in developing an ed-tech platform comprising topics ranging from basic Math, Programming and intricately weaved Machine Learning and Deep Learning.
· Responsible for developing React based real-time applications using Next.JS and SWR
· Engineered Scalable Web Applications for Clients in the Education, Finance, Retail, Healthcare, sectors.

SoulPage IT Solutions, Hyderabad　　　　　*May 2019 - Present*
Consultant

· Played a key role for architecturing a Data Engineering platform for generating visual insights from large relational databases.
· Lead Frontend Developer for Fashopi, an E-com application, collaborated with web designers, backend developers, and UX designers to design, build and deploy in Next.JS
· Head of Engineering for Libero Video Conferencing Tool – Runner up of Innovation Challenge for Video Conferencing Solution, Govt. of India

RESEARCH AND PUBLICATIONS

Detection of Natural Features and Objects in Satellite Images by Semantic Segmentation Using Neural Networks - Kurama V., Alla S., Tumula S. (2020). In Artificial Intelligence Techniques for Satellite Image Analysis. Remote Sensing and Digital Image Processing, vol 24. Springer

Image Filter Selection, Denoising, and Enhancement Based on Statistical Attributes of Pixel Array Kurama Vihar, 2019. In Smart Computing Paradigms: New Progresses and Challenges Proceedings of ICACNI 2018, Springer Volume 1.

Image Semantic Segmentation Using Deep Learning - Vihar Kurama, Samhita Alla, Rohith Vishnu K, International Journal of Image, Graphics and Signal Processing(IJIGSP), Vol.10, No.12, pp. 1-10, 2018.DOI: 10.5815/ijigsp.2018.12.01

LEADERSHIP

CBIT Open Source Community　　　　　*August 2017 - November 2018*
President

· Organized a national level event, DjangoCamp, with 300 participants with activities geared towards building web applications.
· Editor for college technical Magazine Binary. Responsible for curating, editing, and publishing content in the magazine.

ConvergeConf 2017　　　　　*December 2019*
Conference Chair

· Hosted ConvergeConf, a technical conference with more than 1000 attendees, was responsible for managing sessions, logistics, and technical aspects of the conference.

PROJECTS

ThinkML

Machine Learning and Deep Learning platform enabling users to learn the content in one go without juggling among various sites.

· Provides Provides both conceptual and programmatic detailed description of concepts say, Regression, Classification, Support Vector Machines, Convolution Neural Nets, Boltzmann Machines, etc.

· Tech stack - Python, Machine Learning Algorithms, Deep Learning Algorithms.

Libero

Lead frontend developer of Libero, a smart video conferencing solution designed & developed by SoulPage IT Solutions.Responsible for implementing functionality and converting design wireframes into website elements using front end frameworks such as React, Next.Js, SWR.

KeatsApp

Content Creator and developer at KeatsApp, an online interactive platform that helps students to program in a more fun way.

Edify - Teacher Training Platform

· Edify provides a platform wherein the teachers can interact with their fellow peers for the dissemination of content and creation of content as well, which in turn motivates them to learn content in a fun way.

· Tech stack - Django, Python, Bootstrap, Postgres.

TECHNICAL SKILLS

Programming Skills	C, C++, Python, Javascript, Go, Erlang, Elixir
Frameworks	PyTorch, Tensorflow, Django, Flask, NextJs, ReactJS,
Operating Systems	MacOS, Windows, Ubuntu, all Linux Distributions.
Data Visualizations	Plotly, D3, ChartJS.
Design	Adobe Illustrator, Adobe Photoshop, Adobe Indesign.
Dev-Ops	Docker, AWS, Paperspace

SELECTED WRITING (MORE AVAILABLE ON THE WEBSITE)

Introduction to Django 3.0 - Building, Authenticating, and Deploying	Auth0
A Comprehensive Guide to OCR with RPA and Document Understanding	Nanonets
PyTorch VS. TF: Which Framework is best for your deep learning project?	BuiltIN
Flask Web Programming from Scratch	Medium
Linear Algebra for Deep Learning	BuiltIn
Python Programming in 15 Mins (3 - Parts)	Medium
Rust off the grid: Introduction to Rust Programming Language	Medium