

Utkarsh Tiwari

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Profile

Big Data Engineer, Frontend Web Developer, aspiring FullStack Web Developer, & Machine Learning enthusiast

Professional Experience

Software Development Engineer

Jio Platforms Limited, Ghansoli, India 📍

08/2019 – Present

- As a part of the Jio Analytics COE Team, I'm working with big data tools like Hadoop, Kafka, NiFi, Spark and Zoom Data.
- Was initially involved in User Acceptance Testing and software validation of applications built by Jio.
- As the testing Team Lead for JioMeet, I managed a team of 30 people.
- Started an informative technical seminar session called Brown Bag Fridays and conducted seminars on Machine Learning, Data Science, etc.

Courses

Applied Machine Learning

Cornell Tech, YouTube

Node with React: Fullstack Web Development

Stephen Grider, Udemy

Big Data Foundations Nanodegree

Udacity

Skills

HTML & CSS

React

Node.js

Javascript

UI/UX Designing

Python

Deep Learning

Machine Learning

Data Analysis

Public Speaking and Leadership

Education

Bachelor of Engineering

K.J Somaiya Institute of Engg. and IT (University of Mumbai)

07/2015 – 05/2019

- Secured a Bachelor of Engineering in Electronics and Telecommunication Engineering (CGPA: 6.79/10)
- Worked as the Chief Technical Officer (CTO) and later as the Chairperson of IETE, a student body at KJSIEIT and managed a team of 50 people
- Conducted seminars and workshops on Artificial Intelligence, Machine Learning, Data Science, Python, Arduino, Raspberry Pi, etc.

Projects

Glaucoma Detection using Neural Network

- Developed a web application to predict whether a person is a Glaucoma suspect or not with 96% accuracy.
- Trained the model, built a Web-App and implemented Deep Learning architectures such as ResNet and Smaller VGGNet.
- Published a paper on the same in the 'International Journal of Interdisciplinary Research and Innovations (IJIRI)' in the year 2019, ISSN 2348-1226(o); 2348-1218(p).

Pothole GO: Detection of Pothole using Machine Learning

- Developed a custom deep learning model, using "ssd_inception_v2_coco" from TensorFlow zoo for Project Deep Blue Season 4 Competition held by Mastek, Majesco.
- Accurately detected the dimensions of a single pothole (length, width and depth) as stated in the problem statement and even identified multiple potholes present in an image with 92.18% accuracy.

getMentored [Work in Progress]

<https://getmentored.courses/>

getMentored is an opinionated, personally curated list of learning paths comprising of free resources available on the Internet

Volunteer Organizations

Leo Club of Walkeshwar

President

Organised various seminars on student development and contributed to a donation drive held by the Lions Club of Walkeshwar

Leo District 3231 A1

Director of Events

Brainstormed and organised various charity and fellowship events all over Mumbai, a 3-day Digital Hackathon and also an International Cultural Exchange Program, with the country of Nepal. Total Events Organised: 40. Total lives benefitted: 9000+