Vedang Wartikar

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EDUCATION

UNIVERSITY OF TEXAS AT DALLAS
Master of Science (MS) - Computer Science
Fall 2022 | Richardson, TX
Student at the Erik Jonsson School of Engineering & Computer Science
Courses: Operating Systems, Design and Analysis of Algorithms, Machine Learning

SAVITRIBAI PHULE PUNE UNIVERSITY
(Formerly University of Pune)
BE in Computer Engineering
2016 - 2020 | Pune, India
First Class with Distinction
GPA: 8.76 / 10.0
Final Year GPA: 9.59 / 10.0

LINKS

Website:// **www.vedang.dev**
Github:// **github.vedang.dev**
LinkedIn:// **linkedin.vedang.dev**
LeetCode:// **vedangwartikar**

PROGRAMMING SKILLS

Proficient:
Python • Docker • UNIX/Linux • ML/AI • C/C++ • Git • MySQL • PostgreSQL
Expert:
R • Shell Scripting • MongoDB • Java • JavaScript • Drupal • HTML/CSS
Familiar:
Tensorflow • ReactJS • Ansible • RegEx

ACHIEVEMENTS

- Received a **Bravo Award** at **Persistent** for developing a tool that substantially reduced the team's manual efforts
- **Winner of Tech-Rex Quiz** organized under **CSI** (Computer Society of India)
- **Top 5% (out of 500K people)** in GIT Assessment (LinkedIn)
- **Mentored and trained new joiners** and assisted them in technical doubts/errors

CERTIFICATIONS

Algorithms Specialization
Stanford Online | Coursera
(Issued April 2020)

EXPERIENCE

PERSISTENT | Software Engineer
November 2020 – July 2022 | Pune, India

- Worked on a MVP that acts as a management and analytics dashboard for open-source packages available on IBM's ppc64le architecture. Developed it using Python, FastAPI, Uvicorn webserver, Elasticsearch and ReactJS for UI
- Built BulkSearch tool which validates the currency of OSS packages on IBM's POWER8 machines and is configured to install/build/test packages from a variety of languages, and has reduced the team's manual effort by over 80%
- Reviewed code and published build scripts for RHEL-based OS and Red Hat UBI containers for OSS packages to run smoothly on IBM's POWER8 platform

SIRPI | Data Science Intern
August 2020 – November 2020 | Bangalore, India

- Responsible for the development of Wind Shear Application, built using R, Shiny Framework and AWS Stack, which uses machine learning techniques to predict windspeeds at target heights and is being used by Wind Engineers
- Built an end-to-end Business Chatbot using R frameworks and Plumber APIs with Twilio endpoints along with a Shiny based interactive admin dashboard UI
- Engaged in client communication, presentations and setting up tasks internally for efficient workflow

RHYTHMFLOWS | Software Engineering Intern
May 2020 – August 2020 | Pune, India

- Mentored and lead a small team of 4 for an Analytics product developed in-house using R for bank reconciliation
- Implemented a generic library to check reconciliation status for large scale transactions of different business entities using Python, Django, ORM based SQLAlchemy. It helps in analyzing patterns for fraudulent transactions
- Worked on an API-Hub which provides uniform and secured handling of API push/pull requests from multiple banking entities

PERSISTENT | Project Intern
June 2019 – June 2020 | Pune, India

- Built a centralized **Virtual Lab Assistant** which reduces the manual interventions of a computer lab assistant by automating the worklow

PROJECTS

DRONE SURVEILLANCE SYSTEM
Object detection using Deep Learning
The DSS can detect the presence of crowd from the proximity of pedestrians using a custom-trained Keras RetinaNet ML model

CANCER PREDICTION - CUSTOM KNN MODEL
Machine Learning using Python
A custom-built K Nearest Neighbor (KNN) Model that predicts whether the tumor is benign or malignant from UCI's Wisconsin Diagnostic Dataset

FILE SYSTEM EMULATOR
UNIX system internals using C
The FSE provides all the necessary UNIX file subsystem functionalities like bash commands and system call implementations through a customized shell