Vedang Wartikar

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EDUCATION

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**
HackerRank:// **vedangwartikar17**

PROGRAMMING SKILLS

Proficient:
Python • Docker • UNIX/Linux • ML/AI • C/C++ • Git • MySQL • PostgreSQL
Expert:
R • Shell Scripting • 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)
- **HackerRank**: 5 Stars (Gold Badge) in Problem Solving and Python

PUBLICATIONS

[1] S. Tahasildar, M. Phatak, S. Patil, and V. Wartikar. Face recognition system for surveillance. *International Journal of Emerging Technologies and Innovative Research*, April 2019.

CERTIFICATIONS

Algorithms Specialization
Stanford Online | Coursera
(Issued April 2020)

EXPERIENCE

PERSISTENT | Software Engineer
November 2020 – Present | Pune, India

- Core developer of BulkSearch tool which validates the currency (availability) of open-source packages on IBM's POWER8 machines with ppc64le architecture
- It is built using Python and is configured to use detached docker containers to automate the process of installing/building/testing open-source packages from a variety of languages, and has reduced the team's manual effort by over 80%
- Enhanced the tool by automating the handling of massive CSV/Excel-based data by employing different data preprocessing and validation techniques

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

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

PROCESS MONITORING TOOL
Windows system internals using C++
ProcMon provides a detailed log of all the .exe files on a Windows machine and can be used to list memory/thread/system info or kill a specific process

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

- More projects can be found at **www.vedang.dev/#projects**