

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](https://github.com/vedangdev)

LinkedIn:// [linkedin.vedang.dev](https://linkedin.com/company/vedangdev)

LeetCode:// [vedangwartikar](https://leetcode.com/vedangwartikar)

HackerRank:// [vedangwartikar17](https://www.hackerrank.com/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)

- LeetCode**: Solved over 250+ Problems

- HackerRank**: 5 Stars (Gold Badge) in Problem Solving and Python

PUBLICATIONS

[1] P. Mehta, V. Wartikar, R. Shitole, and I. Shaikh. Automation of multiple pcs using nlp and slack api. *International Journal of Emerging Technologies and Innovative Research*, November 2021.

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

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 built using Python and 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%
- Experimented with MySQL, MariaDB, SQLite and PostgreSQL for finding optimal database for integration with Drupal webserver on IBM POWER

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 workflow

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

DRONE SURVEILLANCE SYSTEM

Object detection using Deep Learning

The DSS can detect the presence of crowd from the proximity of pedestrians using a trained Keras RetinaNet ML model

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

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