Vedang Wartikar

vedang.dev
vedangwartikar17@gmail.com | +91-8793103499

EDUCATION

PUNE UNIVERSITY (SPPU)
BE in Computer Engineering
November 2020 | Pune, India
MMCOE, Pune
First Class with Distinction
Cum. GPA: 8.76 / 10.0
Final Year. GPA: 9.59 / 10.0

SP COLLEGE
10+2 Science (HSC)
March 2016 | Pune, India
Percentage : 80.88

LINKS

Website:// **vedang.dev**
Github:// **github.vedang.dev**
LinkedIn:// **linkedin.vedang.dev**
LeetCode:// **vedangwartikar**
HackerRank:// **vedangwartikar17**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
System Programming and Operating Systems
Software Engineering and Project Management
Artificial Intelligence and Robotics + Practicum
Machine Learning + Practicum
Cloud Computing + Practicum

SKILLS

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

ACHIEVEMENTS

- **Winner of Tech-Rex Quiz** organized under **CSI** (Computer Society of India)
- TechGig Code Gladiators **semifinalist**
- **Top 5% (out of 500K people)** in GIT Assessment (LinkedIn)
- **LeetCode**: Solved over 260+ Problems
- **HackerRank**: 5 Stars (Gold Badge) in Problem Solving and Python

EXPERIENCE

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

- Developing a tool in Python to validate the currency of open-source packages on IBM's Power8 machines. The main motive is to introduce a parity between Intel's x86 and IBM's ppc64le architectures
- The tool uses detached docker containers to automate the process of installing/building/testing open-source packages from a variety of languages and frameworks and has reduced the team's manual effort by over 80%
- Writing build scripts for open-source packages to run on IBM's Power8

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, which is 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 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

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

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

PROJECTS

VIRTUAL FILE SYSTEM
UNIX system internals using C
The VFS provides all the necessary UNIX file subsystem functionalities

DRONE SURVEILLANCE SYSTEM
Object detection using Deep Learning
Detect the presence of crowd from the proximity of pedestrians

AUTO SCHEDULED LOG REPORT MAILER
Scheduling using Python
Python scripts to mail Process Log from multiple clients to a server

PUBLICATIONS

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