Vedang Wartikar

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EDUCATION

PUNE UNIVERSITY (SPPU)
Marathwada Mitramandal's
College of Engineering
BE in Computer Engineering
November 2020 | Pune, India
First Class with Distinction
GPA: 8.76 / 10.0
Final Year GPA: 9.59 / 10.0

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

• Received a **Bravo Award** 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 260+ Problems
• **HackerRank**: 5 Stars (Gold Badge) in
Problem Solving and Python

EXPERIENCE

PERSISTENT | 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 | 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*, April 2019.