Urmil Kalaria

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Education

PES UNIVERSITY
B.Tech in Computer Science
📅 2020 – 2024

Skills

PROGRAMMING
Python • C/C++ • Ruby • Javascript • HTML • CSS • Express • Node • MySQL • Firebase • Docker • Kubernetes • Git/Github • Prometheus • Grafana

Coursework

UNDER GRADUATE
Python for Computational Problem Solving
Problem Solving with C
Digital Design and Computer Organization
Data Structures and Application
Statistics for Data Science
Web Technologies with MERN Stack
Design and Analysis of Algorithms
Microprocessor and Computer Architecture
Computer Networks
Operating Systems
Database Management System
Advanced Algorithms
Big Data
Machine Intelligence

Honors

PROF. MRD SCHOLARSHIP
PES University
Awarded to top 20% students with academic grades yearly.

Experience

SUMMER PROJECT INTERN
PES Innovation Labs (Formerly Microsoft Innovation Labs)
📅 Jun 2022 – Sept 2022
- Built an Emulator to deploy a Federated Learning Model to Kubernetes.
- Used Python to automatically generate YAML deployment file for k8s

Competitions

C.O.D.S IDEA LOOP
📅 Feb 2021
- Secured 2nd rank in Idea Loop hackathon organised by CODS club of PES University.

IEEE ROBOFEST
📅 Nov 2021
- Secured 2nd Rank under Industrial Robotics section in IEEE Robofest hackathon organised by IEEE RAS club.

TERRATHON (HACKATHON)
📅 Mar 2021
- Secured 3rd Rank in Terrathon Hackathon organised by Alcoding club of PES University.

Recent Projects

PSEDUDODEPLOY
PES University
📅 May 2022
An emulator that is build with kubernetes to deploy and test Federated Learning Models by providing a testing environment and getting the result out.

REJSON-RB
PES University
📅 Jan 2022
Added support for Json format 2.0 to rejson-rb, a ruby based client library for (Redis JSON)

PERSONALIZED PYTHON CHAT SERVER
PES University
📅 Jun 2022
A Python Chat server that allows wireless personalized chat facility over a common LAN with the functionality for sending text files, one to one chat and a chat room.

Certifications

- Programming Fundamentals — Duke University (Coursera)
- Running, Writting, and Fixing Code in C — Duke University (Coursera)
- Cisco Netwroking Academy: Python Essentials
- A Beginner's Guide to Linux Kernel Development LFD103 — Linux Foundation
- 30 Days of Google Cloud Challenge