Harkishen Singh

5th Semester Student in Computer Science and Engineering at the College of Engineering and Technology, Bhubaneswar

Address: Plot no. 131 Satya Nagar
Bhubaneswar, 751007
(+91) 7978-67-2907
Mail: harkishensingh@hotmail.com
https://github.com/Harkishen-Singh
Visit at: harkishen-singh.github.io

EXPERIENCE

Google Summer of Code 2019, Mind the Word Project, AOSSIE organization - AngularJS, VanillaJS, Selenium, D3.js, and Node.js

27 May 2019 - 26 August 2019
Integrating CI testing using selenium, visualization of user behaviour using D3.js, developing chrome APIs, web-speech-API, porting for different browser platforms and designing the architecture using javascript.
LINK: https://gitlab.com/aossie/MindTheWord

Nudge - Full-stack developer using Golang and Angular

May 2019 - present
Part-Time full-stack web developer aimed at providing a platform for exporting goods to other countries. Worked with the core team in developing scalable systems using GoLang and extensively used selenium web-browser for automated scraping of data-points on a regular basis.

Bringmyfood.in - AngularJS, React Native and Node.js Developer (Summer Internship)

12 June 2018 - 12 August 2018
Development of food delivery infrastructure from scratch for BMF technologies.

OPEN-SOURCE PROJECTS

[CNCF, CoreOS, contributed] Prometheus, A real-time systems and service monitoring system

Prometheus is a highly scalable system and monitoring tool. My areas of contribution include performance optimization, fixing various critical bugs, enhancement of dataflow, refining tsdb.
LINK: https://github.com/prometheus/prometheus

PERSONAL PROJECTS

Bench-Routes - A highly scalable multi-threaded benchmarking and monitoring tool

Bench-routes is a highly scalable routes-benchmarking, monitoring, and route-network analysis tool. It monitors the routes of the application and analyses the network pipe between the server-client and monitors in regular intervals the state of the server, running as a daemon process.
LINK: https://github.com/zairza-cetb/bench-routes

Jarvis Personal Assistant - A personal assistant for Linux-based system

A personal assistant for Linux-Based Systems to provide a user-friendly interface for carrying out a variety of tasks by employing certain well-defined commands.
LINK: https://github.com/Harkishen-Singh/Jarvis-personal-assistant

Productify - chrome extension to increase daily browsing productivity

Increases the productivity of the end-user based on time spent and recommends the websites based on their career choice.
LINK: https://github.com/Harkishen-Singh/Productify

PROGRAMMING SKILLS

Expertise: Golang, TypeScript, JavaScript, Node.js, AngularJS, Python, Electron, SQL, MongoDB, Selenium, Continuous Integration, Docker, Linux (Fedora)

Intermediate: Java, React-Native, ReactJS, Hapi, Restify, Amazon Web Services, Google Cloud Platform

Beginner: Kubernetes

OPEN SOURCE ORGANIZATIONS

Australian Open-Source Software Innovation and Education (AOSSIE)
Major Contributor, Mentor

Prometheus, Zulip, Hackabit
Contributor

Zairza Technical Club
Core Member, Web Team

ACHIEVEMENTS

Journal on the prediction of Agriculture growth in Odisha, published at **IEEE** and **IJCA**.

4th in Code-Busters, Inter-College Competitive Coding

Finalists in HackABit Hackathon held at BIT-Mesra

All India Rank 21241 in IIT-JEE Mains, Rank 3 in Odisha-JEE counselling, College Rank 2

EDUCATION

College of Engineering and Technology, Bhubaneswar— Bachelor of Computer Science and Engineering
2017- Present

CGPA: 8.4

Mother's Public School, Bhubaneswar —
Higher Secondary education, CBSE
2015 - 2017

Percentage: 94.5

Port Management System, NITI, Gov of India
Decreasing the turn-around time for ships in India and to efficiently use the resources available.
LINK: https://github.com/Harkishen-Singh/move-pt-hack

Go-File-Database, A file-based database for goLang
It is an Independent Address File-Based Database for Go-Lang. GO-DB is simple to use the file-based database, which is light, simple and efficient on resources. It has been designed with simplicity in AIM.

LINK: https://github.com/muskankhedia/GO–file–database

Visualization model - Jump search
Aims to develop a visualization model for Jump Search algorithm using d3.js.
LIVE: https://harkishen-singh.github.io/jump-search-visualisation/
LINK: https://github.com/Harkishen-Singh/jump-search-visualisation

Visualization model - Tic Tac
Tic Tac game playing and visualization using d3.js.
LIVE: https://harkishen-singh.github.io/tic-tac/
LINK: https://github.com/Harkishen-Singh/tic-tac

Loyola School, Bhubaneswar—
Matriculation, ICSE

2004 - 2015

Percentage: 90

LANGUAGES

English, Hindi, Punjabi, Odia