

Pujith Sai Kumar Korlepara

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EDUCATION

BML MUNJAL UNIVERSITY

B.TECH IN COMPUTER SCIENCE
2017-21 (Expected) | Gurgoan, India

JAWAHAR NAVODAYA VIDYALAYAYA (JNV)

VI - XII FREE EDUCATION ON MERIT
CBSE BOARD
2009-16 | West Godavari (A.P), India

LINKS

Github:// [pujith22](#)
LinkedIn:// [pujith22](#)
Codechef:// [pujith_k](#)

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms
Object Oriented Programming
Computer Networks
Information Retrieval
Operating Systems
Database Management System
Cryptography
Machine Learning and AI
Security Attack and Defence(Intro)
Distributed Systems*
Block Chain*

INDEPENDENT

Google IT Support Professional Certificate
Google IT Automation with Python
Deep Learning Specialization*

TECHNICAL SKILLS

PROGRAMMING

Advanced:

• C (5/5) • C++ (4.5/5) • JAVA (4.5/5) •
Python3 (4/5)

Intermediate:

• Android (3.5/5) • Shell Scripting (4/5) •
MySQL (3.5/5) • MATLAB (4/5)*

Has Hands on Long back:

• HTML • CSS • JavaScript • C# • Prolog

TOOLS

• Linux/Unix • Windows • Version Control
(Git) • Google Cloud Platform*

INTERESTS AND TRAITS

• **Strong Core Computer Science fundamentals.** • Playing Chess • Teaching • Problem-Solving • Positive and Ethical Attitude

EXPERIENCE

CYBERAEGIS | WEB APPLICATION DEVELOPER INTERN AS SOMOPHORE

June 2019 – July 2019 | Dilshuknagar, Hyderabad, India

- Built an web-application which allows students to enroll for the courses in their institution.(Learnt some web-development and implemented there).
- **Tools Used:** Python3 CGI, SQLite, HTML, CSS, JavaScript.

PROJECTS (IN CHRONOLOGICAL-ORDER)

CHATTING CUM FILE TRANSFER APPLICATION*

SOCKET PROGRAMMING AND NETWORKING CONCEPTS

August 2020 - Present

- In an attempt to get my hands dirty on Socket programming and hands-on with core-networking concepts and protocol stack in action..
- Complaint with both Windows and Linux based kernels.
- **Concepts Used:** Networking concepts, Berkeley Sockets, C programming.

EPIDEMIC ENDER (PYTHON3|MACHINE LEARNING|ANDROID)

IN AN ATTEMPT TO BETTER HANDLE THE COVID-19 SITUATION IN INDIA

March 2020 - April 2020

- Novel Machine Learning technique with help of DB-SCAN algorithm to cluster the geographic locations of the identified cases with silhouette score of about 92/100.
- An Android application for interaction and usage.([click here to see the work](#))
- **Tools Used:** Pandas,Folium,Pickle,JSON,Geopy,Scikit-Learn,Android.

TOURIST INDIA (FORMER TRAVEL WEB-SITES SCRAPER)

INFORMATION RETRIEVAL PROJECT

May 2019 - June 2019|June 2020 - July 2020

- Scraps relevant websites like wikitravel, transindiatravels e.t.c, aggregates the results and populate the list of places to be visited in the order of their popularity to help tourists in better way.
- In the second session, Built an android application for the same for better usability and interaction. ([click here for demo](#))
- **Tools Used:** IR techniques, BeautifulSoup(BS4), NLTK, requests, Android, Auto-correct spellings using an ingenuine algorithm (sort of heuristic algorithm).

N-PUZZLE (SLIDING PUZZLE) PROBLEM SOLVER

WRITTEN ALL THE REQUIREMENTS IN C LANGUAGE FROM SCRATCH

Nov 2018 - Nov 2018

- Given initial state and final state of the N-puzzle board position, gives result of sequence of **optimal no of steps** needed to achieve the goal state using A* with heuristics to reduce time complexity.
- **Achieved almost linear time complexity from exponential.**
- **Concepts Used:** A* Algorithm, Every Data-Structure and Algorithm required (heap,queue,A* Algorithm) was implemented in C from scratch. [click here](#).

ACHIEVEMENTS

August 2020	4 th
Jul 2020	190/29533
Mar 2020	1 st
Feb 2020	top 629/4768
July 2017	75% Scholarship
April 2009	1st/22000 (MHRD)

Intra-campus Coding Hackathon
Codechef July L.C organized globally.
Smart India Hackathon 1st round 2020
Google Hashcode 2020 extended Qual-round.
Awarded by BMU (Based on JEE Score)
Selected into JNV's for VI-XII free education.