SHARATH M TALAWAR

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in sharath-m-talawar   ⭘ sharath816

SUMMARY

I am a recent Computer Science graduate skilled in C, C++, and Python, with experience in analyzing and developing effective software solutions. Passionate about understanding societal needs, I aim to create innovative technologies that enhance quality of life and address real-world challenges.

SKILLS

- **Programming Languages:** C,C++, Python
- **Databases:** MySQL,SQL
- **Frontend :** HTML,CSS
- **Technical Knowledge :** Data Structures and Algorithms, OOPS, DBMS, Operating Systems
- **Developing Tools :** M.S Word,Visual Studio Code, Android Studio, Figma, Docker

EDUCATION

Bachelor of Computer Science & Engineering
Acharya Institute Of Technology, Bangalore
Dec 2021 - May 2025
CGPA - 8.59 /10

Class 12th – DPUE (Karnataka State Board)
Vidya P Hanchnimani P U Science College, Dharwad
July 2020 – July 2021
Percentage – 90%

Class 10th – KSEEB (Karnataka State Board)
Excellent English Medium School, Vijayapura
April 2018 – April 2019
Percentage - 93.12%

PROJECTS

PubMed Research Paper Fetcher

Tech Stack: Python, CLI, XML
- A CLI tool to fetch research papers from PubMed based on user queries.
- Filters out papers affiliated with pharmaceutical or biotech companies.
- Parses XML metadata to extract titles, abstracts, authors, and affiliations.
- Saves filtered results in CSV or JSON format for analysis.
- Automates bulk extraction and handles large datasets efficiently using Python.

Rule Engine with AST

Tech Stack: HTML, CSS, JavaScript
- Created a rule checker that decides if a user meets certain conditions like age or salary.
- Used Abstract Syntax Tree (AST) to read and understand rules written by users.
- Designed a simple webpage using HTML, CSS, and JavaScript for rule input and results.
- Made the system fast and able to handle different rules quickly.
- Helped users easily test and update rules without needing to change the code.

Real-Time Data Processing System for Weather Monitoring

Tech Stack: HTML, CSS, JavaScript
- Built a web dashboard to show live weather updates using OpenWeatherAPI.
- Displayed temperature, humidity, and other details in real-time.
- Updated data automatically at regular intervals without refreshing the page.
- Designed a clean interface using HTML, CSS, and JavaScript.
- Made it easy to monitor weather from any location using a simple input.

Medical Report Analyzer

Tech Stack: React JS, Azure, AWS, Google GenAI API, MySQL
- AI-driven application for analyzing medical reports and generating multilingual descriptions.
- Integration of Google GenAI API for precise medical report summarization.
- Speech synthesis feature for voice-based report reading.
- Frontend developed using React JS; cloud processing powered by Azure and AWS.
- Secure and scalable database established with MySQL for efficient report storage.

ADDITIONAL INFORMATION

- **Regional Languages :** Kannada, English, Hindi, Telugu
- **Interests :** Keen to solve real world problems using Software solutions.
  Hobby: Photography,Travelling