

SHARATH M TALAWAR

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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, ReactJs
- **Version Control :** Git, GitHub
- **Technical Knowledge :** Data Structures and Algorithms, OOPS
- **Developing Tools :** 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 Hanchanimani 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, Poetry, XML, TestPyPI

- Built a Python CLI tool to fetch PubMed research papers via user-defined queries.
- Parsed XML to extract titles, abstracts, authors, and affiliations.
- Filtered non-academic papers using keyword-based affiliation heuristics.
- Structured the project using Poetry for packaging, scripts, and dependency management.
- Published the tool on TestPyPI with support for CLI usage and distribution.

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