Harshitha Krishnakumar

**Trichy, Tamil Nadu, 621008 | 8300280062 |** [**harshitha02012005@gmail.com**](http://harshitha02012005@gmail.com/)[**https://www.linkedin.com/in/harshitha-k-905a97257/**](https://www.linkedin.com/in/harshitha-k-905a97257/)[**https://github.com/Harshitha8117.git**](https://github.com/Harshitha8117.git)

[**https://portfolio-harshi.vercel.app/**](https://portfolio-harshi.vercel.app/)

**PROFESSIONAL SUMMARY**

Data Scientist skilled in Python, SQL, and data manipulation using Pandas and NumPy. Experienced in building and optimizing AI/ML and LLM-based solutions, including NLP tasks like text classification and embeddings. Strong analytical thinker with excellent communication and end-to-end problem-solving abilities. Detail-oriented innovator passionate about adopting emerging tools to enhance model performance and data integrity.

**EDUCATION**

|  |  |
| --- | --- |
| **Nxtwave Disruptive Technologies**  Industry Ready Certification in Full-stack Development | **Jan 2023 - Ongoing** |
| **K.Ramakrishnan College of Technology, Trichy**  BE (Bachelor of Engineering)\_Computer Science Engineering (CSE) (8.6 CGPA) | **2022 - 2026** |
| **Dhanabakyam.Natarasa.Govt.Hr.Sec.School, Trichy**  Intermediate\_MPC (91.5%) | **2021 - 2022** |
| **Dhanabakyam.Govt.Hr.Sec.School, Trichy**  Secondary School Of Certificate (91.5%) | **2019 - 2020** |

**SKILLS**

|  |
| --- |
| **Frontend**: HTML, CSS, Bootstrap, JavaScript, React.js |
| **Backend**: Python, Express, Node.js |
| **Databases**: SQLite |
| **Other skills:** C, Data Structures & Algorithms, Flexbox, Git, IoT,  Java, Microsoft Azure, MongoDB, OOPs |

**PROJECTS**

# IPL Dashboard ([spartancse.ccbp.tech](http://spartancse.ccbp.tech/))

Designed a one-stop destination for IPL team and match information.

* Navigated effortlessly with React Router, displaying team information and matches with dynamic REST API calls.
* Accounted for invalid routes with a 404 page.

**Technologies used:** *React JS, Routing, REST API Calls, CSS, Bootstrap*

# Jobby App ([jobportalapp1.ccbp.tech](http://jobportalapp1.ccbp.tech/))

Implemented Jobby App where users can log in and can see a list of jobs with search by Job title, filters based on Salary range and Employment type, etc

* Implemented different pages like Login, Home, Jobs, Job item details using React components, props, state, lists, event handlers, form inputs.
* Authenticating by taking username, password and doing login post HTTP API Call.
* Persisted user login state by keeping jwt token in client storage, Sending it in headers of further API calls to authorize the user.
* Implemented different routes for Login, Home, Jobs, Job item details pages by using React Router components Route, Switch, Link.
* Implemented filters and search text by sending them as query parameters to jobs API calls.
* Redirecting to the login page if the user tries to open Home, Jobs, Job item details routes which need authentication by implementing protected Route.

**Technologies used:** *React JS, JS, CSS, Bootstrap, Routing, REST API Calls, Local Storage, JWT Token, Authorization, Authentication*

# Wikipedia Search Application ([wikicloneharshi.ccbp.tech](http://wikicloneharshi.ccbp.tech/))

Unlock the vast wealth of knowledge on Wikipedia with a custom search application that delivers relevant and curated results. Quick and easy access to information has never been easier.

* Beautifully presented search results with HTML list elements, styled with CSS, Bootstrap, and a responsive design that adapts to any device.
* Seamlessly access information with the power of asynchronous fetch GET HTTP API calls and the ability to open the desired result in a new tab for further reading.

**Technologies used:** *HTML, CSS, JS, REST API Calls, Bootstrap*

**Traffic Lane Analysis (**[**https://github.com/Harshitha8117/Traffic-Lane-Analysis**](https://github.com/Harshitha8117/Traffic-Lane-Analysis)**)**

This project aims to develop an intelligent traffic management system that can detect vehicles and analyze traffic density in real-time using deep learning techniques. The system uses a camera to capture video frames, detects vehicles, and calculates the average count of vehicles on each road. The system then updates the traffic lights based on the traffic density.

**Technologies used:** *HTML, CSS, Python, Deep Learning, Flask, NLP*

**CERTIFICATES**

# NPTEL Online Certifications on "Computer Networks and Internet Protocol".

Successfully completed the NPTEL certification in Internet of Things (IoT) with Silver + Elite distinction, demonstrating strong understanding of IoT concepts, sensor integration, data communication, and real-world application development

# NPTEL Online Certifications on "Introduction of IoT"

Completed the NPTEL certification in Computer Networks and Internet Protocol with Silver + Elite distinction, gaining a solid understanding of network architectures, protocols, routing mechanisms, and data communication principles essential for modern computing systems