SHASHANK SUMAN

UPES, Bidholi Dehradun, 248197

 (+91)6203486505  [Shashank.110478@stu.upes.ac.in  [LinkedIn](https://www.linkedin.com/in/shashank616/)](mailto:Shashank.110478@stu.upes.ac.in)

* [GitHub](https://github.com/SHASHANK616)

**Education**

## UNIVERSITY OF PETROLEUM AND ENERGY STUDIES 2022–2026

Bachelor of Science in Computer Science Dehradun, Uttarakhand

Specialization in AIML

Current CGPA: 8.01(4th semester)

# Profile Summary

***Aspiring Software Developer***

Seeking an internship role where I can leverage my expertise in the MERN stack and AIML to design and develop scalable, high-performance applications. I am dedicated to optimizing user experience while ensuring robust performance, and I continuously stay abreast of emerging technologies and industry best practices. With a focus on delivering innovative, future-ready solutions, I am committed to contributing meaningfully to impactful projects and consistently advancing my technical skill set.

# Technical Skill



|  |  |  |
| --- | --- | --- |
| * Artificial Intelligence | * OOPS | * Data Structures and Algorithms • Machine Learning |
| * Database Management | * OS | * DeepLearning |

**Languages:** Python, Java, C, HTML/CSS, JavaScript, SQL, Nodejs, Angular js, MongoDB.

**Developer Tools:** VS Code, Google Colab, CodeBlock.

**Technologies/Frameworks:** Linux, GitHub.

# Projects

**Educational Website** | *HTML, CSS, JavaScript*

* Developed a comprehensive educational platform for computer science students with HTML, CSS, JavaScript, and Google API, provided secure access to study resources, increasing user engagement by 50%.
* The website enables secure login for students, granting them access to a variety of study materials, tutorials, and resources. The integration of the Google API ensures a smooth and efficient user experience. ([Github Link](https://github.com/SHASHANK616/Website_Education))

## E-Waste Tracker | *C++*

* Engineered a C++ solution that reduced vehicle usage by up to 30% through optimized scheduling, calculating the minimum number of vehicles required for e-waste collection based on multiple node locations and vehicle capacity constraints.
* Achieved a 20% reduction in total route distance by implementing a Traveling Salesman Problem (TSP) approach for optimal route planning, coupled with priority queue scheduling. ([Github Link](https://github.com/SHASHANK616/MinorProject-E-Waste-/blob/main/main.cpp))
* Enhanced operational efficiency by integrating real-time traffic data analysis, reducing delays by 15% and ensuring timely waste collection across all designated locations.

**Movie Recommendation System |** Machine Learning Project **|** *Python***,** *Google Colab*

* Using Machine Learning, I've developed a movie recommendation system that utilizes collaborative filtering techniques to suggest movies tailored to individual preferences.
* Python libraries used are Numpy, pandas and sklearn.([Github Link](https://github.com/SHASHANK616/MLproject/blob/main/Movie_RecommendationSYS.ipynb))

# Experience

## Gram Vikas Yuva Trust(NGO) June 2022 – July 2022

* Led community development initiatives in education, skill development, and healthcare for rural areas, improving access for 500+ individuals and enhancing socio-economic conditions by 25%
* Executed community projects in rural education, skill development, and healthcare, enhancing services for 500+ villagers and fostering a 20% increase in local engagement and well-being

**Technical Certifications**