

# K Harini

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🔗 <https://hariniportfolio.streamlit.app/>

## Education

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**B.Tech Computer Science and Engineering (Specialization in Cyber Security and Block Chain technology)** 2021 – present  
SASTRA Deemed to be University, Thanjavur  
CGPA-as of 6th semester 8.0146

**Higher Secondary schooling** 2021  
Narayana Olympiad School, Chennai  
Higher Secondary Examination-94.8%

**Secondary Schooling** 2019  
Narayana e-Techno School, Chennai  
Secondary Examination-94.4%

## Professional Experience

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**Data Science Intern** October 2023 – December 2023  
PathFinder Global FZCO

- Conducted in-depth analysis on historical stock data sourced from the National Stock Exchange of India (NSE), ensuring meticulous examination of trends and patterns.
- Applied advanced data cleaning techniques, addressing null and missing values, and categorized stocks into distinct groups. Extended the analysis over a 10-day period, consolidating daily data into a single CSV file for comprehensive and streamlined analysis.
- Developed a sophisticated Streamlit application showcasing technical expertise in data visualization for diverse stocks across multiple categories.

**Data Science Intern** June 2023 – July 2023  
Onward Technologies

- Conducted thorough data cleaning and utilized machine learning techniques, including RFM analysis and clustering, to create customer segmentation models, enhancing data-driven decision-making.
- Demonstrated commitment to continuous learning and fostering a data-driven culture within the organization.

## Skills

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**C++ • Python** — Numpy, Pandas, Scikit, Matplotlib, Seaborn, plotly • **HTML • CSS • Javascript • SQL • Data Structures and Algorithms • Machine learning Algorithms • Fundamentals of Cryptography**

## Projects

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**Interactive Resume Chatbot Using HTML, CSS, and JavaScript**  
This project involves creating an interactive chatbot for a personal portfolio website. By leveraging HTML, CSS, and JavaScript, this chatbot provides a simple yet effective way to engage visitors and provide them with relevant information from the resume.

**Automated Product Data Extraction and Analysis(Data Engineering)**  
This project automates the extraction of product details from a website using Selenium. It logs in, searches for products, collects data on names, prices, reviews, and ratings, handles missing values, and exports the information to a CSV file for further analysis.

**Classification of malicious URLs from legitimate URLs**  
This project is about classification of malicious urls from legitimate ones. This project includes extraction of features such as domain name, ipaddress, http/https etc. Upon extraction, the features are converted into dataset for classification. Various classification algorithms used are SVM, Random Forest, Decision Tree and MLP.

## Bitcoin Address Analysis

This project classifies bitcoin transactions into 13 different types based on the address of the bitcoin and the features extracted from it. The ML models used to train the dataset are KNN, Random Forest, Decision Tree, MLP, XGBoost. After model training all the features are analyzed and the top 10 features are extracted using the selectkbest algorithm

## Club Activities

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### Mentor

August 2024 – present

*Google developer Student Clubs*

- Collaborated effectively with multiple clubs to orchestrate a successful event, demonstrating strong interpersonal and teamwork skills.
- Leveraged strategic social media promotions and marketing efforts to amass an impressive membership base, surpassing 300 members, for the event, showcasing effective outreach and engagement capabilities.

### Promotions and Marketing cluster lead

August 2023 – August 2024

*Developer Community Sastra*

- Organized and led a series of educational workshops as part of the Devdays event, attracting active participation from over 300 students.
- Served as a featured speaker for the Promotions and Content Workshop, sharing expertise and insights in a professional capacity to enhance attendee engagement and knowledge.