

Barre Bharath Kumar

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Education

B.Tech (Computer Science and Engineering)

- SRKR Engineering College

(2021-Present)

CGPA: 7.9

Intermediate - Sri Shiridi Sai Junior College

(2019-2021)

Percentage: 86

SSC - Aditya Public School

(2018-2019)

CGPA: 9.5

Skills

○ C, C++, Java, Python

○ GitLab, Google Colab

○ HTML, CSS, JavaScript, MySQL

Languages

🇬🇧 English (Full Professional Proficiency)

🇮🇳 Hindi (Limited Working Proficiency)

🇮🇳 Telugu (Full Professional Proficiency)

🇫🇷 French (Elementary Proficiency)

Certifications

🌟 NPTEL - Data Science for Engineers

🌟 Cisco - Introduction to Networks

🌟 Cisco - PCAP - Programming Essentials in Python

🌟 Cisco - Introduction to Cybersecurity

🌟 Cisco - Cybersecurity Essentials

🌟 French Elementary Proficiency

🌟 IBM - Machine Learning with Python (Coursera)

Experience

HACKOVERFLOW 2K23 | Hackathon

October 2023 | Andhra Pradesh, India

Participated in Hackathon which was conducted by college.

GENZVERSE 2024 | Hackathon

August 2024 | Hyderabad, India

Collaborated with a team of four to create a demand prediction engine during the GenZverse hackathon; prototype now serves as a foundational tool for retailers, aiding decision-makers in inventory management.

Internship

IIT NIT Admission Prediction | Summer Intern

Henotic Technologies Pvt Ltd

June 2023 – July 2023 | Hyderabad, India

Image Captioning with Deep Learning and ChatGPT/Generative AI | Intern

International Institute of Digital Technologies & Blackbuck Engineers

June 2024 – July 2024 | Andhra Pradesh, India

Projects

PoshSprings | HTML, CSS, JavaScript

- Spearheaded the creation of a user-friendly platform for booking and managing premium services.
- Optimized UX/UI design to enhance user engagement and streamline service bookings.

Supply Alert System | HTML, CSS, JavaScript, MySQL

- Established a digital alert system that streamlined the process for notifying students about supplementary exams; improved overall student awareness by 60% and decreased administrative workload by 25 hours each month.
- Automated notifications for exam schedules and student record updates, enhancing administrative efficiency.

Black Whale (Domain Website) | HTML, CSS, JavaScript

- Developed a domain and web hosting service platform for clients to establish their online presence.
- Implemented solutions tailored to individual and business needs for web hosting and domain registration.

Cryptographic Algorithms Application | HTML, CSS, JavaScript

- Developed an interactive web app showcasing AES, RSA, and SHA-256 cryptographic algorithms.
- Delivered a user-centric interface for encryption/decryption operations.

Product Demand Forecasting Model | Python, Machine Learning

- Built a machine learning model predicting product demand using historical sales data.
- Enhanced prediction accuracy by incorporating seasonality and geographical data.

Cartoonizer Web App | Python, Flask, OpenCV, Numpy

- Created a Flask-based web app to transform photos into cartoon images using OpenCV.
- Applied advanced edge detection and color quantization techniques for image transformation.
- Leveraged Flask for front-end development and OpenCV for complex image processing tasks.
- Managed image uploads and processing with Python and Numpy for efficient file handling and transformations.