

Sidharth K

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EDUCATION

Pes University

Bachelor of Technology in Computer Science , CGPA – 9.16

Electronic city,India

2022 – 2026

Sri Chaitanya

PCMIP(CBSE), Percentage – 96.2

Kormangala, India

Aug. 2020 – 2022

PROJECTS

TradeWise : An Online Stock Trading | Java(Spring boot), Vaadin, MySQL

Jan 2025 – Apr 2025

- Tradewise is a stock trading app offering real-time market data, portfolio management, and trade execution with advanced analytics. Users can track stocks, execute trades, and analyze trends using technical indicators.

MentorMap : Academic Project Management System | React.js, Express.js, MySQL

Aug 2024 – Nov 2024

- MentorMap is a platform that streamlines student project management for faculty mentors. It enables project assignment, progress tracking, deadline setting, feedback, and evaluation. Students can track milestones, submit documents, and receive continuous feedback, ensuring engagement and accountability.

Emotune : Emotion Based Music Recommendation | React.js, Flask, MongoDB

Sep 2024 – Sep 2024

- Emotune is a web app that recommends songs based on real time emotion detection using a CNN model. It analyzes facial expressions and connects with the Spotify API to match music to the user's mood, enhancing the listening experience.

Paracache Simulator | React.js

Aug 2023 – Nov 2023

- Paracache Simulator optimizes parallel caching in distributed systems, introducing write-back and write-through options for improved performance analysis.

EXPERIENCE

Summer Research Intern @ C3I

May 2024 – July 2024

Pes University

- Developed an AI-Powered Car Defect Detection System using YOLOv8, addressing a common problem faced by car owners—identifying and assessing exterior damages like scratches, dents, swirl marks, stains, and corrosion. The system enhances vehicle maintenance by providing defect detection and classification, helping users take proactive steps to improve their car's quality. Designed for mechanics and car owners, it reduces inspection time and improves accuracy, ultimately saving costs and ensuring better upkeep.

TECHNICAL SKILLS

Languages: Java, C, C++, Python

Frameworks & Stacks: Spring Boot, MERN Stack, Flask

Coursework: Data Structures, Object-Oriented Analysis and Design, DBMS, Machine Learning, Data Analytics,

Developer Tools: Git, VS Code, MySQL Workbench

Libraries: pandas, NumPy, Matplotlib

ACHIEVEMENTS

- **MRD Scholar (Semester 1 & 2)** – Awarded for academic excellence (Top 20% of the batch)
- **CNR Scholar (Semester 3, 4 & 5)** – Consistently ranked in the Top 20% of the batch