MATCHA SIVAKUMAR

kurnool, Andhra Pradesh

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SUMMARY

- Strong foundation in **Java**, with expertise in advanced concepts like **Threads**, **Object-Oriented Programming (OOP)**, **Serialization and DeSerialization**, **Collections**, **File Handling**, **Exception Handling**, and **Java 8 Features.**
- Proficient in backend development using **Spring Boot** (REST API, Spring Data JPA(Hibernate)) and experienced in **Oracle SQL** for database management.
- Skilled in creating responsive front-end applications using **JavaScript** and web technologies like **HTML** and **CSS.**
- Solved beginner-level problems on platforms like **LeetCode** and **HackerRank**.

EDUCATION

G.Pullaiah College of Engineering and Technology, Kurnool GPCET   **2019 − 2023**
B.Tech - Electronics and Communication Engineering   *Kurnool, Andhra Pradesh*

TECHNICAL SKILLS

Programming Languages: Java
Frameworks: Spring Boot (REST Web Services, Spring Data JPA(Hibernate))
Databases: Oracle SQL
Frontend Development: HTML, CSS, JavaScript
Tools/Platforms: Eclipse, VSCode

PROJECTS

An Efficient Image Denoising by Bayes Thresholding of Wavelet Coefficient May 2022 -May 2023

- ∗ Designed and implemented an advanced algorithm using Bayes thresholding to effectivoly reduce image noise.
- ∗ Processed wavelet coefficents dynamically to retain important image detals while minimizing distortions.
- ∗ Performed extensive testing with varied noise levels and datasets to ensure robustness and quality.
- ∗ Compared the algorithm's performance agains existing methods,demonstrating significant improvements.

Automatic Street Light Using LDR   **Aug 2022 - Oct 2022**

- ∗ Built a system utilizing Light Dependent Resistors LDR for automated lighting control.
- ∗ Programmed the system to turn lights ON in low-light conditions and OFF during daylight.
- ∗ Designed the circuit and performed real-time testing to ensure reliability.
- ∗ Improved energy efficiency through automation and precise light control.

TRAINING

Java Full Stack Development   **Sept 2024 - Current**

- ∗ Gained hands-on experience in Java, building robust back-end applications using Java and working with advanced concepts like OOP Concepts (Inheritance, Polymorphism, Encapsulation, Abstraction), Threads, Serialization and DeSerialization, Collections, and Exception Handling, file Handling, Java 8 Features (Streams, Lambda Expressions, Functional Interfaces)
- ∗ Gained solid knowledge of Spring Boot for backend development, including RESTful APIs, Spring Data JPA, JavaMailSender, dependency injection, and application configuration.
- ∗ Currently working on a backend application project using Java, Spring Boot, and Oracle SQL, implementing RESTful APIs, Spring Data JPA, JavaMailSender, and advanced OOP concepts, with a focus on building a robust and scalable solution.

ACHIEVEMENTS

- · Achieved **76%** in 10th grade and **90.25%** in 12th grade, demonstrating strong academic performance.
- · Graduated with **80.80%** in B.Tech (Electronics and Communication Engineering) from G.Pullaiah College of Engineering and Technolog.
- · Awarded Best Java Coder in College-level Coding Challenge.
- · First Place in Project Expo as part of E-VEDA.

EXTRACURRICULAR

Actively engaging with online coding platforms such as LeetCode and HackerRank, solving algorithmic problems and improving problem-solving skills.