DARLA VENKAT RAMESH

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Career Objective:

Motivated and detail-oriented aspiring Software Engineer with a strong foundation in Java, Python, and full-stack development. Passionate about problem-solving, software development, and emerging technologies. Seeking an opportunity to enhance technical expertise and contribute to real-world projects in a collaborative environment.

Education:

K.S.R.M College of Engineering, Kadapa, A.P, India

- Bachelor of Technology in Electronics and Communication Engineering
- CGPA: 84%
- Graduation Year: 2024

Sri Chaitanya Academy Junior College, Kadapa, A.P, India

- Board of Intermediate Education, AP-BIEAP
- Grade: 98%
- Years Attended: 2018-2020

Sri Sai Vidhyanikethan Concept School, Kadapa, A.P, India

- Board of Secondary Education of Andhra Pradesh
- Grade: 97%
- Year Completed: 2018

Skills:

Technical Skills:

- **Programming Languages:** Java-JDBC,JSP,Servlets,JavaScript.
- **Frameworks:** Hibernate,SpringBoot
- **Web Development:** HTML, CSS, **Bootstrap**.
- **Database Management:** SQL, MySQL.

Soft Skills:

Strong communication, interpersonal, and analytical skills are necessary to collaborate effectively with teams and clients.

Internships:

Embedded Systems and IOT in EDGATE:

- Developed and optimized IoT-based solutions for embedded systems.
- Gained hands-on experience in microcontroller programming and communication protocol.

Java Full Stack Web Development in Tap academy:

- Developed and implemented full-stack web applications (E-Shopping and To-Do List) using JSP, Servlets, JDBC, and MySQL, enhancing skills in backend development, database management, and user authentication.

- Gained hands-on experience in building scalable web applications, integrating frontend technologies (HTML, CSS, JavaScript) with backend frameworks, and optimizing database queries for improved performance.

Projects:

Serial Peripheral Interface Protocol Design :

- Designed and implemented a customizable Serial Peripheral Interface (SPI) core to enhance communication in embedded systems.
- Focused on flexibility, scalability, and optimization to develop a robust SPI master core.
- Verified functionality using Xilinx Vivado tools for diverse applications in automotive, industrial automation, consumer electronics, and IoT.

ToDo-List Application SpringBoot:

- Developed a full-stack ToDo List web application using Spring Boot (Java) for the backend, JSP, HTML, CSS, and JavaScript for the frontend, ensuring a responsive and interactive user experience.
- Implemented RESTful APIs using Spring Boot to perform CRUD operations on tasks, integrated MySQL for data persistence, and utilized JDBC for seamless database interactions.
- Configured and deployed the application on Apache Tomcat, managed dependencies with Maven, and enhanced UI functionality with Bootstrap and jQuery for an optimized user experience.

E-Cart shopping website:

- Developed an E-commerce Shopping Website using JSP, Servlets, JDBC, and MySQL, featuring a modern and responsive UI with HTML, CSS, and Bootstrap.
- Implemented a robust backend using Servlets, JDBC, and MySQL, ensuring efficient data management, secure authentication, and seamless order processing. Added an Admin Page with CRUD operations for products, enabling easy management of inventory.
- Designed an interactive and visually appealing frontend using HTML, CSS, and Bootstrap, incorporating a vibrant VIBGYOR color scheme for an engaging user experience.

Strengths:

- Strong communication and collaboration abilities.
- Creative and proactive in solving complex technical challenges.
- Effective leadership and teamwork skills.

Hobbies:

- Playing cricket.
- Listening to music.
- Browsing the internet for new tech trends.

Declaration:

- I hereby declare that all the information provided is true to the best of my knowledge.