

VADDI YASHWANTH

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OBJECTIVE

A results-driven Software Developer with a solid foundation in Java Full Stack Development, including expertise in HTML, CSS, JavaScript, and MySQL. Proficient in designing and developing scalable applications with a focus on product development using Agile methodologies. Demonstrates strong analytical, troubleshooting, and collaboration skills within cross-functional teams to deliver impactful solutions and optimize software performance. Seeking to leverage expertise in Java, OOP, and full-stack development to contribute to innovative and dynamic projects in a growth-oriented environment.

Education

Siddharth Institute Of Engineering And Technology, Puttur	CGPA: 7.46
<i>B. Tech in Electronics and Communication Engineering</i>	<i>2020-2024</i>

Narayana Junior college , Kadapa	CGPA: 8.46
<i>The Board of Intermediate Education, Andhra Pradesh</i>	<i>2018-2020</i>

Ravindra Bharathi School , Kadapa	CGPA: 9.7
<i>The Board of Secondary Education, Andhra Pradesh</i>	<i>2017-2018</i>

Work Experience

Java Full Stack Course — JSpiders

- Engineered and optimized Java applications by leveraging advanced Object-Oriented Programming (OOP) methodologies and Java 1.8 features, including Streams and Lambdas, resulting in a 15 increase in user retention and engagement.
- Designed and implemented robust database interactions using JDBC and Hibernate, improving query performance and scalability while reducing application downtime.
- Developed scalable web applications with JSP and Servlets, ensuring secure session management and dynamic content rendering.
- Conducted rigorous unit testing and debugging, identifying and resolving 15+ critical issues to enhance software reliability and user satisfaction.
- Coordinated with team members to review code and implement best practices, strengthening collaboration and efficiency.

Projects

Employee Management Web Application

Technologies: Java, JSP, Servlets, HTML, CSS, MySQL, Git

- Designed and deployed a web-based employee management system to streamline CRUD operations, enhancing efficiency in data handling.
- Optimized database queries using MySQL to handle large datasets securely and reliably.
- Directed the development of JSP pages and Servlets to ensure seamless dynamic content display and user interaction.
- Implemented version control with Git, enabling smooth collaboration and change tracking.
- Coordinated error handling and validation processes to improve data integrity and user experience.

Design And Implementation Of Microstrip Patch Antenna For 5G Wireless Communication Systems

- Designed and analyzed a microstrip patch antenna for 5G wireless communication systems in the K-Ka band (26.5–40 GHz).
- The antenna operates at 29.87 GHz and 39.02 GHz, constructed on a Rogers RT/Duroid 5880™ substrate with specific material properties.
- Utilized CST Software for simulation to investigate key performance metrics such as S11, VSWR, Gain, Radiation Efficiency, and Radiation Patterns.
- The design aligns with the stringent performance requirements of 5G networks, offering solutions for high-frequency operation and wide bandwidth.

Technical Skills

Programming Languages: Java

Web Technologies: HTML, CSS, Bootstrap, Tailwind CSS, JavaScript

Databases : MySQL

Developer Tools: Git, VS code, Eclipse, Edit Plus, Postman, MySQL

Core Competencies: Data Structures and Algorithms, Object-Oriented Programming, Java 1.8 Features (Streams, Lambdas), JDBC (Java Database Connectivity), Servlets, Session Management, Servlet Filters, JavaBeans, JSP (JavaServer Pages), and Performance Optimization, Hibernate (Hibernate Annotations, ORM Strategies, Entity Associations)

Product Management Skills : Requirement Gathering, User Story Creation, Backlog Management, Roadmap Planning, Collaboration with Cross-Functional Teams

Product Development Skills : Agile Methodology, Software Development Lifecycle (SDLC), Full-Stack Development, Debugging and Testing

Soft Skills : Analytical Problem Solving, Leadership and Team Management, Resiliency and Adaptability, Strong Communication and Collaboration

Achievements

- Attained First Prize in the Department-Level Code Hackathon Competition, demonstrating advanced coding and problem-solving abilities.
- Directed and executed college-level technical fests and coding competitions, showcasing exceptional leadership and organizational skills.
- Enhanced team performance through strategic planning and resource management during technical events.

Certifications

- Java Full Stack Development — JSpiders, Bangalore
- Introduction to Industry 4.0 and Industrial IoT — NPTEL