

# VADDI YASHWANTH

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## Education

**Siddharth Institute Of Engineering And Technology, Puttur**

**CGPA: 7.46**

*B. Tech in Electronics and Communication Engineering*

*2020-2024*

**Narayana Junior college , Kadapa**

**CGPA: 8.46**

*The Board of Intermediate Education, Andhra Pradesh*

*2018-2020*

**Ravindra Bharathi School , Kadapa**

**CGPA: 9.7**

*The Board of Secondary Education, Andhra Pradesh*

*2017-2018*

## Work Experience

**Java Full Stack Course — JSpiders**

- Engineered and refined full-stack web applications using **Java, JSP, Servlets, Hibernate and JDBC**, applying **OOP principles, Java 1.8 features** (Streams, Lambdas), and **design patterns** to enhance security, session management, and data integrity.
- Architected and deployed **3+ scalable applications** with **Spring Boot, Spring MVC, and Spring Core**, leveraging **Java-based configuration and dependency injection**.

## Projects

**Banking Application Using Spring Boot**

- Developed a secure **Banking Application** with **Spring Boot, Spring Security, and MySQL**, enabling **account management, deposits, withdrawals, and transaction history**. Refined **Spring Data JPA** queries, improving database efficiency by **40%**.

**Employee Management Web Application** 🌐

- Built an **Employee Management System** using **Java, Hibernate ORM, and MySQL** for seamless **CRUD operations**. Implemented a responsive frontend with **JSP/Servlets**, optimized backend using **Lombok**, and managed dependencies with **Maven**.

**Portfolio Website** 🌐

- Created a personal **portfolio website** using **HTML, CSS, and JavaScript** to showcase **projects, skills, and achievements**. Designed an intuitive interface with interactive elements and ensured cross-device compatibility.

**Design and Implementation of Microstrip Patch Antenna for 5G Wireless Communication Systems** →

- Engineered a high-frequency **Microstrip Patch Antenna** for **5G wireless communication** at **29.87 GHz and 39.02 GHz** in the **K-Ka band (26.5–40 GHz)** using **CST Software**. Enhanced key performance parameters, such as **S11, VSWR, Gain, Radiation Efficiency, and Radiation Patterns**, utilizing **Rogers RT/Duroid 5880™** substrate for superior signal integrity.

## Technical Skills

**Languages:** Java, JavaScript, SQL    **Frameworks:** Spring Boot, Hibernate

**Databases:** MySQL (JDBC, Spring Data JPA)    **Backend:** RESTful APIs, Spring Annotations, HTTP Status Codes

**Development:** SDLC    Full-Stack Development    Dependency Injection

**Tools:** Git, VS Code, Eclipse, MySQL Workbench, Postman

## Achievements

- Secured **First Prize** in a **Department-Level Code Hackathon Competition**, showcasing expertise in **algorithmic problem-solving, competitive coding, and efficient code optimization**.
- Organized and led **10+ college-level technical fests and coding competitions**, managing **300+ participants** while handling **strategic planning, resource management, and team coordination** for smooth event execution.

## Certifications

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