DEGACHICHU KOTI BALAJI

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PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented Electronics and Communication Engineering graduate with a strong foundation in Java programming and object-oriented concepts. Passionate about building scalable applications, solving real-world problems through efficient code, and contributing to innovative IT projects. Eager to apply technical skills, quick learning ability, and problem-solving mindset to deliver high-quality software solutions in a dynamic IT environment.

TECHNICAL SKILLS

Programming Languages: Java, SQL

Web Development: HTML, CSS

Databases & Connectivity: MySQL,JDBC

Developer Tools: Eclipse, VS Code,GitHub, Java Swing(GUI ToolKit)

Concepts: DSA & Object-Oriented Programming (OOP) & Software Development Lifecycle (SDLC)

PROJECTS

Employee Management System
Technologies: Java, Swing, JDBC, MySQL

- Built a desktop-based CRUD application using Java, Swing, JDBC, and MySQL.
- Integrated real-time database operations with a responsive GUI.
- Used PreparedStatement for secure and optimized SQL execution.
- Implemented modular UI screens for Add, Fetch, Update, and Delete operations.
- Demonstrated strong understanding of Java OOP, event handling, and database connectivity.

Electricity generation from Plants *Academic Project*

- Led the design and development of a Greenhouse Plant Microbial Fuel Cell (GPMFC) generating 4.5 V output, using biochemical interactions between plant roots and soil microbes.
- Managed inverter circuitry and regulation modules to convert generated power, and presented research at the IEEE 10th International Conference on Power Renewable Energy.
- Developed strong teamwork, research methodology, and presentation skills applicable to problem solving in software engineering.

EDUCATION

Sri Venkateswara College Of Engineering Tirupati   *Dec 2021 – April 2025*
B.Tech Electronics and Communication Engineering (ECE)

- GPA: 8.22/10.0

Sri Chaitanya Junior College   *Jun 2019 – Jul 2021*
Intermediate Maths, Physics and Chemistry

- Percentage: 95.7

Sri Chaitanya Children's Academy   *Jun 2018 – April 2019*
10th Standard

- CGPA: 9.8 / 10.0

CERTIFICATIONS & COURSES

- Java Full Stack Development Training – KodNest, Bangalore
- Focused on core and advanced Java, SQL, OOP, DSA, and Web Technologies (HTML5, CSS3, basic JavaScript)
- Actively practicing industry-standard coding patterns, problem-solving, and working on hands-on assignments, mini-projects, and coding assessments to strengthen practical development skills