PRASANNA KUMAR REDDY DODLA

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Professional Summary

Final-year ECE student skilled in Java, full-stack web development, and FPGA-based hardware solutions. Proven ability to lead technical projects, manage databases, and work across software-hardware boundaries. Actively seeking software development roles to apply my academic and practical expertise.

Education

B.Tech in Electronics and Communication, SASTRA University, Thanjavur (2022-Present)

CGPA: 8.00/10

Intermediate (MPC), Narayana Junior College, AP (2020-2022)

Percentage: 96.9%

Class 10 (SSC), Keshava Reddy Concept School, AP (2019-2020)

Percentage: 96.5%

Technical Skills

Programming: Java, Python, C++

Web Development: HTML, CSS, JSP, Servlets, JDBC, Bootstrap

Database: MySQL

Networking/Tools: Computer Networks, Git, GitHub

Soft Skills: Critical Thinking, Team Collaboration, Quick Learner

Projects

Hospital Management System (Java, JSP, Servlets, JDBC, MySQL, HTML, CSS, Bootstrap)

- Developed a multi-role hospital management system with separate dashboards for Admin, Doctor, and Patient.

- Integrated secure login, session handling, and appointment scheduling.

- Optimized MySQL queries to ensure seamless handling of large-scale patient records.

- Result: Reduced admin processing time by 40% during simulated testing.

Audio Processing on FPGA using Neural Networks (FPGA, Verilog, SNN)

- Designed and implemented an audio classification system using a spiking neural network on FPGA.

- Utilized Verilog and VHDL for signal interfacing and processing optimization.

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- Achieved low-latency inference suitable for real-time embedded audio tasks.

Relevant Coursework

Java, Python, Data Structures, Algorithms, Computer Networks, Object-Oriented Programming

Co-Curricular Activities

- Organized and conducted MATLAB workshops on Image Processing.

- Coordinated technical clusters during the Theta Technical Event.

Languages Known

English (Fluent), Hindi (Basic), Telugu (Native/Bilingual)