

PAYAL KAMAL KUMAR

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EDUCATION

Mahindra University

Electronics and Communications Engineering

DRS International School, Hyderabad

Aug 2023 – Present

Current CGPA:5.6/10

June 2021 – May 2023

Percentage:71%

DRS International School, Hyderabad

May 2020 – June 2021

Percentage:91.2%

COURSEWORK

Courses: Responsive Web Design, Fundamental of HTML and CSS, Front-End Development, Back-End Development, Full-Stack Developer, Project management, Data Structures & Algorithms, Digital System Design, Introduction to VLSI.

SKILLS

Computational tools/skills: C, MATLAB, Circuit Analysis, Signal processing, Electromagnetic Theory, Verilog Coding, Data Structures, FPGA Basics, SIMULINK, Microprocessors

Design software: Visual Studio Code, Node.js, React.js, Express.js, MongoDB, AutoCAD, Cadence Virtuoso, Intel Quartus prime 20.1, Altera DE2-115 Board, NC Launch, ModelSim.

PROJECTS

MU-store

A full-stack e-commerce web application built using React.js for the frontend and Express.js for the backend. The platform provides a seamless online shopping experience where users can browse products, manage their cart, place orders, and track purchases.

<https://github.com/Payal210/MU-store>

<https://mu-store.vercel.app/>

TODO APP MERN

Developed a full-stack To-Do application using the MERN stack (MongoDB, Express.js, React.js, and Node.js). The application allows users to add, edit, delete, and view tasks through a responsive React frontend.

<https://github.com/Payal210/TODO-App>

<https://todo-app-chi-taupe.vercel.app/>

Weather App

Weather App is a full-stack project that shows real-time weather data using external APIs. It has a responsive UI and a backend for API handling and data operations, with features like forecasts and error handling.

<https://github.com/Payal210/weather-app-payal>

CERTIFICATION

Responsive Web Design Certification

FREE CODE CAMP

This course teaches the fundamentals of HTML and CSS, including modern layout, design, accessibility, and responsive web development. You'll build practical projects and gain the skills to create professional, user-friendly webpages.

Verilog HDL - Hands On

MAVEN SIICON-CENTRE OF EXCELLENCE IN SEMICON

Focuses on practical applications to enhance your skills in hardware design and verification. Engage in hands-on projects to reinforce knowledge and emerge well-prepared to apply Verilog in real-world scenarios.

RISC-V Processor - RV32I Base ISA

MAVEN SIICON-CENTRE OF EXCELLENCE IN SEMICON

Embark on the RISC-V Instruction Set Architecture course, focusing on core modules like "RISC-V Instruction Set Architecture" and the "RISC-V RV32I Reference Guide." Delve into the intricacies of RISC-V, understanding its architecture and reference guide to build a strong foundation in this cutting-edge instruction set architecture.

VLSI System on Chip Design

MAVEN SIICON-CENTRE OF EXCELLENCE IN SEMICON

This course comprises modules starting with an introduction to VLSI, followed by an exploration of SoC design, a comparison between ASIC and FPGA technologies, and an in-depth look at the VLSI design flow

Project Management Essentials Certificate

Disasterready.org

Learn the core principles, practices, and tools for effective project management.

Best Practices in Project Management

PDU Credits, LLC

include planning, work breakdown structure, define roles, RACI, gaining commitments, focus on the critical path, prioritize tasks, tips for tracking budget, prepare for meetings, and communication.

HOBBIES

Dance

Choreographed dance performances for school events.

Traveling and Exploring

Traveling to new places during holidays

Driving

Driving and exploring new spots

Volunteering

Helping in social activities