

KUMAR P

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Education

Velammal Engineering College

Bachelor of Technology in Artificial Intelligence and Data Science. (83%)

Nov. 2022 – Present

Chennai, Tamil Nadu

Amutha Matric Hr. Sec. School

HSC. (87.5%)

Jun. 2020 – May 2022

Chennai, Tamil Nadu

Relevant Coursework

- PyScript Fundamentals
- Intro to Data Science
- Computer Architecture
- Computer Vision 101
- Systems Programming
- Java Prodigy

Experience

Atlanwa Technologies

Nov 2024 – Dec 2024

Web Developer Intern

- Developed a learning management system that allows students to purchase courses, watch lectures, and access coursework while enabling lecturers to upload materials.
- Integrated PayPal payment gateway to facilitate secure and seamless transactions for students purchasing courses.

Infosys SpringBoard

Oct 2024 – Dec 2024

Machine Learning Intern

- Worked on Tata retail data analysis as part of a team, focusing on exploratory data analysis (EDA) and data cleaning.
- Processed and cleaned large datasets to ensure accuracy and consistency for further analysis.
- Assisted in identifying patterns and insights from the data to support business decisions.

Projects

Velammal Engineering College | *Mongo DB, Express.js, React Js, Node.js, TailWind, Bootstrap* Nov 2024-Mar 2025

- Developed a full-stack web application using MongoDB, Express.js, React.js, and Node.js, ensuring a seamless connection between the frontend and backend.
- Implemented Framer Motion, Materialize, and React Router to enhance the user experience with smooth animations, responsive design, and efficient navigation.
- Designed and developed RESTful APIs to enable communication between the database and frontend, ensuring secure and efficient data retrieval.
- Integrated Tailwind CSS and Bootstrap for a modern and responsive UI, improving accessibility and user engagement.

Real Time Video Dehazing | *Python, OpenCV, TKinter, Pillow*, HTML, CSS, JS, Django, SQLite3 Jan 2025-Mar 2025

- Developed a Real-Time Video and Image Dehazing application that removes haze from uploaded images and videos using the Dark Channel Prior (DCP) algorithm.
- Implemented an automated dehazing pipeline that processes video frames in real-time, enhancing visibility and image clarity.
- Built a user-friendly interface for uploading images and videos, ensuring seamless dehazing with optimized processing time.

E-Commerce Platform | *React JS, Express JS, Firebase Db, Tailwind, Stripe Payment Gateway* Mar 2025-Apr 2025

- Implemented user login/signup functionality, enabling customers to track orders, save preferences, and manage their profiles.
- Integrated secure payment systems for smooth and secure online transactions, with data encryption and protection.
- Developed with responsive design principles, ensuring full functionality on desktops, tablets, and mobile devices for a seamless shopping experience.

Technical Skills

Languages: Python, Java, HTML, CSS, JavaScript, SQL, MongocDB, Node.Js

Libraries: Redux, Git, Github

Technologies/Frameworks: React Js, Express.Js, TailWind, Bootstrap, Firebase

Co-curricular Activities

Presented a paper at RMK Engineering College and got 4th place.

Attended a debugging challenge at SRM Easwari Engineering College and got 2nd place

Attended a coding challenge at SRM Easwari Engineering College and got 4th place.