Dheeraj Kumar

Bachelor of Technology,

Computer Science and Engineering

National Institute of Technology, Delhi

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Github Profile

Linkedin Profile

Experience

- DoorStepDelhi

Backend Developer Intern

June 2024 - July 2024

Online

- Work on django and django restframework to build a website and also use the leaflet software for enhancing the map based website.

Projects

- Image Processing Using C

Tech Used – C Programming Language

Developed image processing algorithms for tasks such as filtering,edge detection, and feature extraction.

- Applied various image processing techniques including convolution,thresholding,and morphological operations.

- Enhanced image quality and analysis by implementing custom functions for noise reduction and image enhancement.

- TaskTrack Web App

Tech Used - Django, React.JS, Javascript, CSS, HTML

- Developed a responsive web application to help users manage and track tasks efficiently.
- Implemented features such as task creation, editing,deletion, and categorization.The app allows users to prioritize tasks,set deadlines, and mark tasks as completed. Integrated user authentication to ensure personalized task management.

- Heart Rate Monitoring System

Hardware used-Arduino Board,Pulse Sensor,OLED Display Tech

Used- C/C++ Programming Languages.

- Built a real-time heart rate monitoring system using an arduino board,pulse sensor,and oled display.
- The System accurately measures heart rate and displays the data on the OLED display screen.

Education

- National Institute of Technology, Delhi

Bachelor of Technology in Computer Science and Engineering

2023-27

CGPA: 8.2

Technical Skills

Languages: C/C++, Python, Javascript, HTML+CSS

Libraries and Frameworks :Django,Django RestFramework, ReactJs, TailwindCSS

Databases: PostgreSQL, MySQL

Tools: Git/GitHub, Bash scripting, Linux Operating Systems

Relevant Coursework: Problem Solving, Data Structures,Design & Analysis of Algorithms, DBMS,Operating System,Probability

Positions of Responsibility/ Achievements

–Technical Club Volunteer   *August 2023 - May 2024*

  * Contributed in Organizing a event by BIS to promote the standards of products and participated in Quiz and Debate Competition.

– Participated in Heckathon by GFG

  * Created a Website for Health Monitoring of the patients and got participation certificate.

–Participated in MahaKumbh Heckathon by IIIT Allahabad

  * Qualified for the Level-2 and explore Apache Kafka, Hadoop ,etc.