

SHUBHAM KUMAR

SOFTWARE ENGINEER/WEB DEVELOPER

DETAILS

ADDRESS

Makwa,Bihar
India

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LINKS

[LinkedIn](#)

[GITHUB](#)

SKILLS

C++

React,JS

NODE.JS

MONGODB

MySQL

JavaScript

C

PYTHON

LANGUAGES

English

Hindi

PROFILE

Passionate and results-driven **Computer Science and Systems Engineering** student with expertise in **React.js, Node.js, MongoDB, and full-stack web development, C, C++**. I thrive on building **efficient, scalable, and user-friendly applications**. Successfully led logistics in KIITMUN and Chimera, ensuring seamless event execution. Strong understanding of **data structures, algorithms, and database management** to optimize system performance.

PROJECT

Mental Health Chatbot with Sentiment Analysis & Location-Based Therapist Suggestions

This project is a **Node.js & Express-based mental health chatbot** that leverages **Google's Gemini AI** for empathetic and human-like conversations. It integrates **sentiment analysis** to detect critical emotional states and uses the **Google Places API** to suggest nearby therapists based on user location. The chatbot maintains a **conversation history** for context-aware responses and provides **online therapy options** when location data is unavailable. This ensures a **personalized and supportive experience** for users in need of mental health assistance.

Plant Disease Detection using Deep Learning

- Developed a **Convolutional Neural Network (CNN)** model using TensorFlow & Keras to classify plant diseases (**Healthy, Powdery, Rust**).
- Implemented **image preprocessing and augmentation** using ImageDataGenerator to improve model generalization.
- Achieved **high accuracy** by optimizing with **Adam optimizer** and **categorical cross-entropy loss**.
- Built a **Flask API** to enable real-time image-based disease detection.
- Integrated **React.js frontend** with the API for a user-friendly interface.

EDUCATION

Bachelor of Technology in Computer Science and Systems Engineering, Kalinga Institute of Industrial Technology

Bhubaneswar

May 2026

EXTRA-CURRICULAR ACTIVITIES

Logistics team members , Chimera_kiit

Bhubaneshwar

Jan 2024 — Jan 2024

Assisted in planning and execution of event logistics, contributing to the successful management of the event.

▯▯Collaborated with cross-functional teams to streamline operations and enhance the overall attendee experience.