Company Logo

RITIK RANJAN SINHA

Summary / Career Objective

PROFILE PROFILE Enthusiastic Computer Science Engineering student with a specialization in Big Data Analytics. Skilled in data analytics, machine learning, and software development, with a strong focus on automation and optimization. Passionate about leveraging data-driven insights to enhance decision-making and improve operational efficiency. Experienced in full-stack development, web scraping, and predictive modeling, with a problem-solving mindset and the ability to adapt to evolving challenges. Committed to continuous learning and applying technology to drive innovation in engineering and industrial solutions.

Skills

Technical Skills: C++, PYTHON, MySQL, JavaScript, Machine Learning, Node.js, Express.js, React.js

Projects

Plant Disease Detection Using CNN

Description: Developed a CNN-based model for plant disease detection, trained on 17,000 images and 300,000 parameters. Achieved 98.04% accuracy. Built an interactive application using Streamlit for real-time disease prediction and visualization.

Tech Stack: CNN, Streamlit

Eventify

Description: Developed Eventify, a web application providing students with real-time event and seminar information. Used Django for backend development, React.js with HTML/CSS for a dynamic front-end experience, and integrated Beautiful Soup for web scraping. Automated data collection from multiple websites to ensure real-time updates, enhancing user engagement. This project showcases expertise in full-stack development, web scraping, data automation, and interactive UI design.

Tech Stack: Django, React.js, HTML/CSS, Beautiful Soup

Retail POS System

Description: Designed and developed a full-stack POS application using Node.js, Express, MongoDB, and EJS. Implemented JWT-based authentication and role-based authorization for admin and cashier users. Key features include secure login, product CRUD operations, sales tracking with filters, invoice generation, and dynamic reporting.

Tech Stack: Node.js, Express, MongoDB, EJS, JWT