RITIK RANJAN SINHA

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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**.

EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY   08/2021 – 07/2025
B.Tech Computer Science with specialization in Big Data Analytics
CGPA : 8.88

SKILLS

C++ | PYTHON | MySQL | JavaScript | Machine Learning | Node.js | Express.js | React.js

CERTIFICATES

- AWS Academy Machine Learning Foundations 🖉
- Data Science Methodology 🖉
- Tools for Data Science 🖉
- Business Analytics powered by Qlik 🖉
- What is Data Science? 🖉

PROJECTS

PLANT DISEASE DETECTION USING CNN 🖉
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.

Eventify 🖉
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**.

Retail POS System
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.

INTERESTS

DATA ANALYTICS | SOFTWARE DEVELOPMENT | MACHINE LEARNING