

PRINCE RAJ

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EDUCATION

Bachelor of Technology in Computer Science , Cochin University of Science and Technology 2021-2025

SKILLS

Languages	C, C++,JavaScript(Basic),Python(Basic),Solidity(Basic)
Frameworks and Libraries	Express,React.js,Next.js,Node.js,Numpy,Panda,scikit-learn,RE,Mathlib.
Databases and Tools	MongoDB, MySQL, Git, Jupyter Notebook.
Soft Skills	Analytical and Problem Solving, Communication, Leadership.

EXPERIENCE

ML research intern at IIT Patna :- During my research internship at IIT Patna, I **developed a model for detecting and classifying cyber threats** by analyzing network traffic data to identify abnormal patterns indicating potential cyber attacks.

1. I defined a problem statement to guide my approach and employed a **Random Forest classifier**, utilizing the **NSL-KDD dataset** for training.
- 2.This resulted in a 20% improvement in accurately detecting cyber attacks, enhancing the model's reliability in identifying abnormal network behavior and addressing cybersecurity challenges. (Certificate) JUNE-JULY

PROJECTS

Gym website. Crafted an innovative landing page for a gym website leveraging **React and React Hooks**, combined state management with cutting-edge design.

Key Features:

Responsive design, Smooth animations, Dynamic content with React Hooks, Interactive elements for enhanced user experience. Integrated a Chatbot to improve user experience. (Source Code) (Try it here)

AI Resume Analyzer. AI Resume Analyzer is a Python-based tool leveraging **spaCy** for **parsing resumes**, recommending skills, free courses, and scoring resumes. It uses **Random Forest Classifier** and **One-vs-All Classifier** to **predict job categories** and **TF-IDF vectorization with cosine similarity** for **matching resumes with job descriptions**. The system features an admin section connected via **SQL Server** for managing user data and feedback, with users able to provide feedback for platform improvements. This efficient solution enhances recruitment with **advanced NLP and ML techniques**. (Over-View) (Try it here)

Food Delivery Webapp.

Implemented a comprehensive Next.js web application utilizing **Next.js, MongoDB Atlas, Mongoose**. The application features robust functionalities across **different user roles: customers, restaurants, and delivery partners**.

Features Implemented:

- 1.Customer: Authentication, profile management, order tracking.
- 2.Restaurant: Authentication, menu management, order handling.
- 3.Delivery Partner: Authentication, order assignment, status updates.

(Source Code) (Over view)

EXTRA-CURRICULAR ACTIVITIES

- NSS Speaker on public awareness [YouTube Link](#)
- Volunteer in Freshers induction program at my University
- 3rd position in Smart India Hackathon At College level

CERTIFICATIONS AND BADGES

Blockchain [Certificate By Infosys](#)

Badges in Hacker rank C++(5*),C(4*) and **Problem Solving (4*)** [Profile link](#)