

Raj Kumar Rai

B.tech Computer Science

[Portfolio\(Link\)](#)

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INTRODUCTION

As a recent **Computer Science** graduate from UVCE College, I am eager to apply my acquired skills effectively. My goal is to contribute meaningfully to the company's objectives. I am enthusiastic, a quick learner, and adept at teamwork, ready to tackle new challenges.

EDUCATION

- **University of Visveswaraya College of Engineering, Bangalore** 2023
Btech Computer Science CGPA: 9.5
- **Kendriya Vidyalaya ASC Centre(S)** 2019
12th CBSE Board , Bangalore Percentage: 90%
- **Kendriya Vidyalaya ASC Centre(S)** 2017
10th CBSE Board , Bangalore CGPA: 10

TECHNICAL SKILLS AND INTERESTS

Languages: C , C++ , Python , Javascript

Frameworks: ReactJS, NodeJS, ExpressJS, JQuery, Bootstrap, Django

Cloud/Databases: MongoDB, SQL, RDBMS

Developer Tools: Visual Studio Code , Jupyter Notebooks

Soft Skills: Team Player, Communication, Eager to Learn, Attention to Detail

Coursework: Object Oriented Programming, Database management systems, Computer Networks, Operating Systems

EXPERIENCE

- **Suven Consultants & Technology Pvt Ltd** Apr 2023 to May 2023
Web Development Trainee Bangalore
 - Users were given the option to place orders, view all their orders, and cancel individual orders. Generated tokens using **SHA256** cryptography and **SMTP** for email verification.
 - Employed **Jinja** techniques for **dynamic templating** and content rendering in web apps and integrating **Razorpay** for secure **online transactions**. Utilized web development tools to create and deploy an **interactive interface**.
- **AiRoboSoft Products & Services** Jan 2023 to Mar 2023
Machine Learning Trainee(R&D) Bangalore
 - Sophisticated a Stock Price Prediction Application using **LSTM** and **Genetic Algorithm(NEAT)**.
 - **Increased** accuracy when using **dropout Layers & Adam Optimizer**.
 - Data fetched from Yahoo Finance and New York Times API, then data processing and data cleaning was performed, leveraging **FinBERT** for **Sentiment Analysis** alongside LSTM networks to enhance the accuracy.

PERSONAL PROJECTS

- **[Subscription Notification API](#)** [Github](#)
Tools & technologies used: Django, REST API
 - Implemented a **multithreaded** subscription notification system, enhancing system efficiency and reducing delivery times for notifications, followed by comprehensive testing of every API endpoint using **Postman**.
 - **Users** and **subscriptions** are added, and when a **notification** matches a subscription, email is sent to the **subscribed users** via SMTP.
- **[ExpenseTrack](#)** [Github](#)
Tools & technologies used: ReactJS , NodeJs , ExpressJS , Mongo DB
 - **Authentication** and **Authorization** features to ensure secure access and protect sensitive financial data from unauthorized access & Streamlined access to personal financial **management dashboard** for a **seamless login** experience.
 - Employed **MongoDB** for data storage, leveraging its NoSQL capabilities to efficiently manage and retrieve information.
- **[Forecast Pro](#)** [Github](#)
Tools & technologies used: ReactJS, OpenWeatherAPI
 - Developed a responsive weather application using ReactJS, integrating **OpenWeather** API for **location-specific** weather updates.
 - Integrated geolocation functionality to present real-time weather information according to the **user's location**, enriching the **user experience** with a highly **responsive** and visually appealing **interface**.

ACHIEVEMENTS

- Git and Github Certification.
- Solved 300+ problems on Leetcode.