



Anish Kumar
UG (IV Year I Semester)
B.Tech. (Civil Engineering)
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Registration No: 20113025/2024



Area of Interest

Data Structure and Algorithms | Software Development Engineer |, Machine Learning |

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2023	B.Tech. 3rd Year	Indian Institute of Technology, Roorkee	7.409
2020	Intermediate (Class XII)	Param Gyan Niketan, Gaya (Bihar)	92.80 %
2018	Matriculate (Class X)	Gyan Bharti Public School	89.50 %

Internships

Associate Software Engineer | Swift Software Solution May 2023 - July 2023

- I enhanced the "DataHub-Ui" project by building a robust authentication system, subscription panel, and connecting the frontend with API endpoints using thunkAPI.
- Focused on crucial tasks such as optimizing authentication through caching and website debugging.
- Implemented an OpenAI chatbot using ReactJS to augment the website's functionality.

Data Science Intern | Codeclause August 2023 - September 2023

- Employed NLP for news text preprocessing, eliminating stop words, and applying stemming techniques.
- Utilized DF-IDF technique to convert text into numerical values for machine learning models.
- Trained models (Random Forest, DecisionTreeClassifier, Logistic Regression) using 75% of the data.
- Achieved an impressive 95% accuracy in model evaluation on the remaining 25% of the data.

Projects

Full-Stack Ecommerce Web Application Development | Self Project August 2023 - October 2023

- A full-stack e-commerce platform for clients to boost online sales and improve customer engagement.
- Utilized Node.js and Express.js to create robust and scalable server-side and Reactjs for client side application.
- Designed and managed MongoDB databases, optimizing data storage with CRUD operations for enhanced functionality.
- Tech Stack- MongoDB, Expressjs, React.js and Node.js

Perception of commuters towards Air Quality in Delhi | IIT Roorkee December 2022 - April 2023

- Researched the influence of air quality information on commuter behavior in Delhi, employing diverse machine learning models (SVM, Naive Bayes, Random Forest and MLR).
- Analyzed model outcomes, emphasizing feature importance using various techniques, including ROC curves , confusion matrices, loss functions, and classification reports.
- Policy proposal to reduce poor air quality exposure, informed by model analysis.

Diabetes Data Prediction and Analysis | IIT Roorkee March 2023 - May 2023

- Predictive Diabetes Model: Built a Logistic Regression model to forecast diabetes occurrences.
- Risk Factor Analysis: Explored links between diabetes, smoking, hypertension, and heart diseases.
- Data-Driven Insights: Enhanced healthcare decisions by providing actionable risk assessments.

Skills

Computer languages	C++ Python SQL HTML CSS JS
Software Packages	MATLAB GitHub Visual Studio Code Excel MySQL MongoDB NodeJS Reactjs ExpressJS
Additional Courses	Data Mining System Analysis Oops DBMS Operating System DSA
Languages Known	Hindi(SRW) English(SRW)

Positions of Responsibility & Extra Curriculars

Volunteer | NSS-IIT Roorkee December 2020 - July 2021

- Member of JEE Cell of NSS, IIT Roorkee
- Tutored under-privileged kids to prepare them for Joint Entrance Examination(JEE) conducted by Govt. of India

competitive programming | Online Judges March 2022 - Present

- Active member on various online judges like Codeforces, Codechef,Leetcode etc and solved more than 1000+ problems .
Leetcode handle: "Anish-Kumar" (max rating: 1633)

References

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