ROHIT KUMAR BR

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PROFILE SUMMARY

Highly motivated master's student with expertise in software development, web technologies, and data analysis. Ready to drive innovation and solve complex problems in a dynamic organization.

EDUCATION

Master of Data Science, Sacred Heart University   Expected March 2025
Relevant Coursework: Artificial Intelligence, Machine Learning, Deep learning, Big Data Analytics, Data Visualization , and Advance Database Design.

Bachelor of Computer Science, Visvesvaraya Technological University   May 2023
Relevant Coursework: Machine Learning, Python, Computer Networks, Big Data Analytics, User interface Design, and Object Oriented programming.

SKILLS

Languages:	Python, R, C, C++, java, PHP.
Machine Learning:	Regression, Classification, Clustering, Pandas, Numpy, Scikitlearn, Jupyter PyTest, Natural Language Processing(NLP), Keras, PyTorch, XGBoost, LightGBM.
Deployment and Production:	Docker, Kubernetes, Flask, FastAPI, Azure.
Database:	Neo4j, MongoDB, MySql.
Visualization:	Tableau, Seaborn, Matplotlib, Plotly.
Platforms:	Linux, Ubuntu, Windows.
Web Technologies:	HTML5, CSS3, Java Script, ReactJS.
Soft Skills:	Project management, Collaboration, Problem-solving, Critical thinking, Creative thinking.

WORK EXPERIENCE

Big Data Analytics in R - Graduate Classroom Learning Assistant (CLA)   March 2024 - June 2024
Sacred Heart University   *Fairfield County, Connecticut, United States*

- This course covers key concepts and practical skills in analyzing large datasets using R. Topics include data manipulation, visualization, and application of both supervised and unsupervised machine learning algorithms. Students will learn to implement techniques such as regression, classification, clustering, and dimensionality reduction, preparing them for real-world data analysis challenges.

Front-end Developer Intern   January 2023 - February 2023
QSqpiders   *Bangalore, India*

- Developed a responsive website UI using HTML, CSS, JavaScript and React that reduced overall page load speed by 35%.
- Implemented visual elements to enhance user experience based on design feedback and client requirements.
- Optimized the user interface for increased responsiveness, achieving an improved user experience for customers.
- Collaborated with project managers to successfully deliver projects on time, resulting in an increase in organizational efficiency.

PROJECTS

Naive Bayes Classifier based Movie Recommendation System[(Github Repository)](#)
Machine Learning

- **Objective**: Develop a user-friendly movie recommendation website.
- **Features**: Recommends movies (with an accuracy of 96%), provides basic movie and cast information, and performs sentiment analysis on reviews.
- **Techniques**: Utilized cosine similarity and natural language processing to build the recommendation model.
- **Highlights**: Designed the website interface and conducted data mining on a dataset of over 1,000,000 movie reviews.

Harvestify - A Agriculture Product (Github Repository)
Machine Learning

- **Objective**: Create a user-centric website to assist farmers during yield production.
- **Features**: Recommends crops and fertilizers with an accuracy of 95%, and detects diseases in infected crops.
- **Algorithms**: Implemented decision tree, random forest, and SVM to develop robust predictive models.
- **Highlights**: Analyzed data from over 100,000 crop samples, improving yield predictions by 30

IPL - First Innings Score Predictor
Machine Learning

- **Objective**:Build an intuitive website to predict the first innings score of an IPL match.
- **Features**: Predicts the score using overs, wickets, and the score of the previous 5 overs.
- **Techniques**: Trained the model on linear regression, achieving an accuracy of 98.96%.
- **Highlights**: Analyzed data from over 500 IPL matches to develop the predictive model.

CERTIFICATION

- British Airways - Data Science Job Simulation.
- Machine Learning by python - Certified by Linkedin.
- MongoDb Python Developer Path - Certified by MongoDb.
- J2EE Java - Certified by Wipro.
- Front-end Development, Java, PHP - Certified by IANT.

PUBLICATION

- "Naive Bayes Classifier based Movie Recommendation System" - IEEE ICSCSS-679