

Shubham Pokhriyal

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EDUCATION

Graphic Era Hill University

Bachelor of Technology in Computer Science And Engineering

Aug. 2020 – May 2024

EXPERIENCE

Infosys Limited

Specialist Programmer

July 2024 – Present

Bangalore, Karnataka

- Engineered an backlog reporting system using LLM-based natural-language summarization and Spring Boot.
- Completed intensive Big Data training with hands-on experience in Hadoop, Spark, Kafka, Scala, and Unix.
- Developed a Java-based API framework to automate secure uploads of analytics reports to Box Cloud.
- Implemented Great Expectations for Java-based data pipelines for schema validation, improving data quality.
- Tech Stack:** Java, Python, C/C++, SQL, Spark, PySpark, Scala.

Insignia

Intern

February 2024 – April 2024

Remote

- Trained a custom NLP Spacy ROBERTA model for resume parsing for NER.
- If a user submits his resume model must be able to extract all relevant details from a CV.
- Tech Stack:** Python, Hugging face, Fine Tuning.

PROJECTS

Crop Prediction Application

June 2024 – August 2024

- Developed and trained five Machine Learning models (Decision Tree, Logistic Regression, Neural Network, SVM, KNN) and combined them into an Ensemble model, achieving improved accuracy of 98.40% higher than individual model accuracy Decision Tree – 98.18%, Logistic Regression – 94.54%, Neural Network – 97.04%, SVM – 97.95%, KNN – 96.81%.
- Built an Android application as the user interface to collect input parameters, send them to a Flask API hosted on Render.com, and display the ensemble prediction live on the Android screen.
- Tech Stack:** Java, Maven, Box, JWT for Authentication, Hadoop.

business management web application

November 2024 – December 2024

- Developed a dynamic business management web application using Spring Boot for backend services, Thymeleaf for server-side rendering, and MySQL for persistent data storage.
- Integrated Thymeleaf templates with Spring MVC to deliver dynamic, data-driven UI components and seamless user interactions.
- Database integration with MySQL using JPA/Hibernate, ensuring efficient data retrieval, consistency, and scalability.
- Tech Stack:** Java, Spring boot, Maven, Thymeleaf, SQL.

TECHNICAL SKILLS

Big Data Technologies: Apache Spark, Apache Kafka , PySpark, Hadoop, Kafka, MapReduce, Spark Streaming.

Data Tools: Great Expectations, MySQL, MongoDB, Pandas, NumPy.

Languages: C++, C, Java, Python, SQL, Spark, PySpark, Scala.

Machine Learning: Scikit-learn, TensorFlow, Keras, Deep Learning, GenAI.

Technologies: Big-Data, Hadoop, Machine Learning, Spring boot, TensorFlow, Spark and Unix.

ACHIEVEMENT

- Achieved 4-Star rating on [CodeChef](#) and Specialist rank on [Codeforces](#) with a maximum rating of 1466.
- Secured All India Rank 708 and Global Rank 975 among 9,000+ participants in Google Kick Start – Round E.
- Solved 1200+ algorithmic problems across [Codeforces](#), [Leetcode](#), GeeksforGeeks, and [CodeChef](#).