

# Shubham Pokhriyal

+91 7900974433 | [Portfolio](#) | [shubhampokhriyal3328@gmail.com](mailto:shubhampokhriyal3328@gmail.com) | [linkedin](#) | [Github](#) | [Leetcode](#)

## 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.
- 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.
- Implemented a ServiceNow incident assignment application in Python using a least-loaded-member algorithm to automatically route incidents to the most available employee within a group.
- Developed and executed ad-hoc Spark SQL queries to retrieve employee information based on group membership and activity dates, enabling faster business insights and data-driven decisions.
- Designed and implemented an anomaly detection solution using Facebook Prophet to analyze daily Apple account creation trends, enabling early detection of suspicious activity and attack patterns.
- Completed intensive Big Data training with hands-on experience in Hadoop, Spark, Kafka, Scala, and Unix.
- Tech Stack:** Java, Python, C/C++, SQL, Spark, PySpark, Scala.

### Insignia

February 2024 – April 2024

Intern

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.
- 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](#).