

Jasir Ahmad Khan

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SKILLS

- **Languages:** C++, Java, R, Kotlin, Python
- **Frameworks:** Pandas, Numpy, SciKit-Learn, Matplotlib
- **Tools/Platforms:** RStudio, Tableau, Microsoft Excel, Android Studio, Jupyter NoteBook

PROJECTS

Touch App (InProgress)

Jan 2025

- Developing an Android app inspired by my university management system, providing essential features like timetable, CGPA, attendance tracking, and more.
- Implemented seamless navigation using Intents for better user experience.
- Designed the interface using **Grid Layout** for an organized and responsive layout.
- Following Material Design principles to ensure a modern and intuitive UI.

Tech: Android Studio, Kotlin, XML

Sudoku Solver Project [Link](#) Oct 2024

- Developed a program to solve any 9x9 Sudoku puzzle using **backtracking** and advanced data structures.
- Designed an efficient algorithm with recursion and constraint satisfaction techniques for optimization.
- Implemented in C++ for fast execution and scalability.
- Successfully tested on multiple challenging Sudoku puzzles.

Tech: C++, **Backtracking, Recursion, Data Structures**

Email Spam Classifier [Link](#)

Sept 2024

- Developed a machine learning model to classify emails as spam or not spam using the **Naïve Bayes** algorithm.
- Applied text preprocessing techniques like **tokenization, stemming, and stop-word removal** to improve classification accuracy.
- Created a user-friendly interface in RStudio for uploading email datasets and visualizing classification results.
- Integrated performance metrics such as precision, recall, and accuracy to evaluate the model's effectiveness.

Tech: R, RStudio, Naïve Bayes, TM package, Caret package

CERTIFICATES

- Mastering Data Structures & Algorithms using C and C++ ([Udemy](#))
- Supervised Machine Learning: Regression and Classification ([Coursera](#))
- Programming in C++: A Hands-on Introduction ([Coursera](#))
- Meta Android Developer ([Coursera](#))
- Cloud Computing ([NPTEL](#))
- Full Stack Development with MERN ([Cipher Schools](#))
- Prompt Engineering for ChatGPT ([Coursera](#))
- Introduction to Large Language Models ([Coursera](#))

CODING PLATFORMS

- **LEETCODE:** 300+ Problems solved (Dynamic Programming, Graphs, Trees)
- **GeeksForGeeks:** 100+ Problems solved (Recursion, Heap, Sorting)
- **Code360:** Problems solved (Arrays, Strings, Hash maps)

EDUCATION

Lovely Professional University

Punjab, India

- *Bachelor of Technology - Computer Science and Engineering; CGPA: 7.8*

Aug 2022-Jul 2026

Government Senior Secondary School

New Delhi, India

- *Intermediate;*

Apr 2019 -Mar2021