

Prakhyat Singh

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SKILLS

- **Languages:** Java, Kotlin, Python
- **Frameworks:** XML, Jetpack Compose, Machine Learning
- **Tools/Platforms:** Android Studio, Jupyter, GitHub
- **Soft Skills:** Problem-Solving Skills, Critical Thinking, Creativity, Adaptability

TRAINING

- **Linux Social – Summer DSA Training** 28 August 2024
Trainee
 - **About:** Completed a structured training program focused on Data Structures and Algorithms (DSA) using Java. Gained hands-on experience solving problems related to arrays, linked lists, trees, graphs, dynamic programming, and other algorithmic paradigms. elongate slightly
 - **Tech stacks used:** Java, Data Structures, Algorithms, Problem-Solving.

PROJECTS

- **Penny Trail – AI Integrated Expense Tracker** Ongoing
Developed an AI-powered expense tracker using Android Studio with MVVM architecture. Integrated Room Database with SQLite for storage and a custom NER model using BERT and NLP to auto-categorize transactions. Used Python for machine learning and model training.
Tech: Android Studio, SQLite, BERT, Python, Machine Learning.
- **Cardiotocography: Fetal Health Classification** Sep-Oct 2024
Trained a machine learning model to classify fetal health as Normal, Suspect, or Pathologic based on cardiotocography data. Extracted key diagnostic features such as baseline values, accelerations, and variability measures to improve classification accuracy.
Tech: Python, Scikit-learn, Pandas, NumPy, Matplotlib.
- **Sorting Visualizer – Algorithm Visualization** Jul-Aug 2024
Created a web-based sorting visualizer with real-time animations for Selection, Bubble, and Insertion Sort. Implemented interactive controls for user-defined and random arrays. Enhanced learning through step-by-step visual execution.
Tech: HTML, CSS, JavaScript.

CERTIFICATES

- The Complete Android 14 & Kotlin Development Masterclass. Ongoing
- Alpha DSA Course by Apna College. Feb 3, 2025
- Dynamic Programming, Greedy Algorithms by University of Colorado April 6, 2024
- Introduction to Large Language Models by Google Cloud Jan 30, 2024

ACHIEVEMENTS

- **One among Dean's top 10 % students at University:**
For good academic performance and extra-curricular activities at University.
- **Won a Inter University Valorant Tournament (Helios Cup)**
For exceptional performance in Helios Cup, IIT Guwahati.
- **Participated in Hackathon 1.0 – AIESEC**
For developing innovative solutions under time constraints.

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.94** Since August 2022
- **St. Joseph Inter College** Gorakhpur, Uttar Pradesh
Intermediate; **Percentage: 82%** April 2020 - March 2022
- **St. Joseph Inter College** Gorakhpur, Uttar Pradesh
Matriculation; **Percentage: 88%** April 2018 - March 2020