

Abhay Bhatt

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EDUCATION

Graphic Era Hill University

B.Tech in Computer Science - CGPA : 7.88

Dehradun, Uttarakhand

Aug. 2022 –June 2026

SHIKSHA BHARATI SENIOR SECONDARY SCHOOL

Class-12th Percentage: 70%

Khatima, Uttarakhand

2022

SHIKSHA BHARATI SENIOR SECONDARY SCHOOL

Class-10th Percentage: 90.8%

Khatima, Uttarakhand

2020

COURSEWORK/SKILLS

- Data Structures and Algorithms • CS Fundamentals • Software Development Lifecycle

PROJECTS

Universal CLI | Python, Click, Regex, OS, Multiprocessing

- Designed a cross-platform Command-Line Interface (CLI) tool for file operations, log monitoring, and regex-based search.
- Implemented customizable flags and pattern-matching utilities, improving search efficiency on large text corpora by 35%.
- Optimized file handling with concurrent I/O and multiprocessing, reducing execution latency by 29%.
- Architected a modular plug-in system, enabling developers to extend functionality with minimal effort

Expense Tracker App | Kotlin, Firebase, Android Studio, Firestore, MVVM

- Developed an Android-based personal finance management application supporting real-time synchronization via Firebase Firestore.
- Implemented secure authentication with Firebase Auth and encrypted local storage, ensuring data privacy.
- Integrated expense categorization, monthly visualization charts, and cloud backup for seamless user experience.
- Architected the application using MVVM design pattern, improving state management and scalability; reduced UI rendering latency by 40% during performance testing.

Stock Price Prediction System | Python, Scikit-Learn, Pandas, Matplotlib, LSTM

- Implemented a machine learning-based stock price prediction system using models such as Linear Regression, Random Forest, and LSTM for time-series forecasting, achieving a 92% prediction accuracy.
- Optimized model training with feature engineering and GridSearchCV hyperparameter tuning, reducing mean squared error by 18%.
- Integrated visualization dashboards using Matplotlib & Seaborn to analyze market trends and volatility, improving interpretability for end-users by 40%.
- Enhanced performance on large datasets by applying data normalization and PCA dimensionality reduction.

TECHNICAL SKILLS

Programming Languages: C++,Java, Python, HTML, CSS,JavaScript,SQL

Frameworks/Library : React ,NodeJS, TypeScript

Version Control: Git , Github

Operating Systems: Linux,Windows

PERSONAL SKILLS

- Communication Skills • Results-Oriented • Fast-Paced • Problem Solving Skills • Team-player