

# Piyush Bhatt

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## Summary

Newly graduated professional with software development project experience. Focused, results-driven and knowledgeable in multiple computer languages. Seeking an opportunity to enhance various Focused, results-driven, and knowledgeable in multiple programming languages and technologies. Adept at problem-solving, team collaboration, and delivering innovative solutions.

## Education

**Chandigarh group of colleges, Landran –**  
Bachelor of technology in Electronics & communication engineering  
Score-7.23 CGPA(6th semester)

**Intermediate(PSEB)**

Children valley public Sen . Sec . School |  
Ludhiana

PERCENTAGE : 79.77%

**Matriculation(PSEB)**

Children valley public Sen . Sec . School |  
Ludhiana

PERCENTAGE : 73..76%

## Tech stack

**Languages :-** C | C# | Java | Python

**Frameworks :-** PyTorch | Kivy

**Databases :-** MySQL | Firebase RDB

**Others :-** API's | NLP | Arduino | AI & ML | Git | Android App Development | Fusion 360 | Google – Collab | Kaggle

## Soft skills

Leadership | Management & Coordination | Decision Making & Analytical Skills | Team Collaboration | Adaptability & Flexibility | Problem Solving | Creativity & Innovation | Time Management | Critical Thinking | Interpersonal Skills

## Languages

English/Hindi/Punjabi

## Accomplishment

Web Development by PG-Tech, Mohali  
Participated twice in college gaming tournaments  
Organized Problem Statements for HacktoberFest – 2k23

## Experience & Projects

### Veronica | Generative Ai

**Environment / Databases :-** Windows | Java | Python | Pytorch | Android Studio | Kaggle | Api's | Firebase RDB | MySQL | Kivy

- **Developed Veronica:** A cutting-edge multi-modal AI assistant leveraging machine learning (ML) and generative AI.
- **Custom GPT Classifier:** Designed and implemented a custom GPT classifier for advanced NLP & NLU.
- **AI-Driven Responses:** Fine-tuned GPT-2 for Chat responses.
- **Enhanced Query Handling:** Utilized Google API and advanced web scraping techniques for precise information retrieval.
- **Comprehensive Music Integration:** Enabled local file playback and interfaced with the YouTube API for diverse music options.
- **Automated Social Media Management:** Automated Instagram posts, replies.
- **Efficient Data Management:** Managed conversations, posts, comments, and media paths using an SQL database for efficient data storage
- **API Services:** Developed robust API services for seamless integration with the mobile app, ensuring real-time data synchronization and enhanced user experience.

### Ciao | Android Application

**Environment / Databases :-** Android Studio | Java | Firebase | Google Api's

- **Developed a Dynamic Chat-Room Application:** Leveraged Firebase authentication with Google sign-in for secure user access.
- **Custom Chat-Room Creation:** Enabled users to create personalized chat rooms and private spaces for exclusive interactions.
- **User Management:** Implemented features for managing user access and permissions within chat rooms.
- **Real-Time Communication:** Ensured seamless, real-time communication using Firebase's real-time database capabilities.
- **User Experience:** Focused on a user-friendly interface with smooth navigation and interactive chat functionalities

### AgroDoc | Machine Learning

**Environment / Databases :-** Android Studio | Java | Firebase | Google Api's | Arduino | Arduino IDE | C

- **Overview:** Developed AgroDoc, an intelligent system for recommending fertilizers based on geolocation and soil nutrient levels.
- **NPK Analysis:** Assessed nitrogen, phosphorus, and potassium levels to determine the required fertilizer composition for specific crops.
- **Rainfall and Temperature Prediction :** Trained & Implemented models for weather forecasting to predict rainfall and temperature.
- **Enhanced Crop Management:** Provided actionable insights to farmers, promoting sustainable and efficient farming practices