



# RIYA BHANOT

Chandigarh, India

📞 7355127647 ✉️ [rajputriya398@gmail.com](mailto:rajputriya398@gmail.com)

🌐 [linkedin.com/in/riya-bhanot](https://linkedin.com/in/riya-bhanot) 🐙 [github.com/RiyaBhanot](https://github.com/RiyaBhanot)

## EXPERIENCE

### •ZestGeek Technologies

Chandigarh, India

April 2025 – Present

Software Developer Intern

- Contributed to the development of **unpod.ai**, an AI-powered content platform, focusing on frontend engineering using **React.js**, **Next.js**, and **TypeScript**.
- Integrated REST APIs for real-time interaction with AI services, enabling dynamic content generation and intelligent user workflows.
- Collaborated with ML engineers to fine-tune model outputs and improve delivery pipelines for AI-generated media.
- Worked in an agile setup to optimize performance and usability of AI interfaces across devices.

## SKILLS AND INTERESTS

**Languages:** Python, C/C++, Java, JavaScript, SQL, HTML+CSS

**Libraries/Tools:** PyTorch, Hugging Face, scikit-learn, NumPy, Pandas, LangChain, spaCy

**Frameworks:** React, Next.js, Bootstrap, Pydantic.ai

**Dev Tools:** VS Code, Git, GitHub, MySQL

**Relevant Coursework:** Machine Learning, Natural Language Processing, Operating Systems, OOP, Software Engineering, Data Structures and Algorithms

**Soft Skills:** Problem Solving, Collaboration, Creativity, Leadership

**Areas of Interest:** Ethical AI, LLMs, Vernacular NLP, Federated Learning, FinTech AI Applications

## EDUCATION

### • Bachelor of Engineering in Computer Science and Engineering

2021-25

Chandigarh University, Mohali, Punjab

CGPA: 8.28

### • St.Soldier Divine Public School, Garhshankar - Senior Secondary

2021

Central Board of Secondary Education(C.B.S.E)

74.4%

### • King Edward Public School, Mahilpur - Secondary

2019

Central Board of Secondary Education(C.B.S.E)

84.8%

## PERSONAL PROJECTS

### •MCP-Tools Conversational Agent

Developed a tool-calling AI agent that connects to external APIs based on user prompts.

- Implemented planner and executor to parse user input, extract parameters, and call calendar, weather, and CRM tool stubs.
- Designed multi-step dialog flows for clarifying inputs and confirming actions before execution.
- Built a minimal web interface for input-output interaction and tool call visualization.
- Ensured robust error handling and wrote complete setup and usage documentation.
- Technology Used: Python, OpenAI Model, OpenWeather API Pydantic.ai

### •Language Detection Model

A machine learning model that predicts the language of a given text.

- Developed a machine learning model to detect languages using NLP techniques.
- Trained on the Hugging Face Wikipedia dataset covering **10 different languages**.
- Utilized **TF-IDF (2-4 character n-grams)** for feature extraction and trained a **Multinomial Naïve Bayes classifier**.
- **Achieved a high accuracy of 99.55%.**
- Future Scope: Exploring **transformer models (mBERT)** for handling mixed-language texts.
- Technology Used: Python, Scikit-Learn, NLP, Hugging Face Data Set, ML Models.