

# SUNDILA KHAN

INNOVATIVE PYTHON DEVELOPER | BACKEND ENGINEER | TURNING IDEAS INTO EFFICIENT CODE

<https://my-port-folio-fawn-zeta.vercel.app/>

## CONTACT

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## PROFILE SUMMARY

Motivated and detail-oriented Python Developer with hands-on experience in backend and full-stack development. Skilled in Python, Flask, Django, REST APIs, and front-end technologies. Passionate about building efficient, scalable, and user-friendly web applications. Strong foundation in problem-solving, database management, and software engineering principles, with prior internship experience at 10Pearls.

## EDUCATION

- 2022-2026  
**UNIVERSITY OF CENTRAL PUNJAB**  
**LAHORE**
- Bachelor of Science in Software Engineering
  - GPA: 3.84/ 4.0

## WORK EXPERIENCE

- 10Pearls - Shine Internship (2024)** 2024
- Java Developer Intern(Full Stack)
- Working with the spring boot, HTML,CSS and JavaScript
  - Collaborated on full-stack development tasks and responsive UI design.
  - Enhanced REST API performance and integrated database operations using MySQL.

## TECHNICAL SKILLS

- Programming Languages: Python, Java, C++
- Frameworks: Django, Flask, FastAPI, Spring Boot
- Web Technologies: HTML5, CSS3, JavaScript, React.js
- Databases: MySQL, MongoDB, SQLite
- Developer Tools: Git, GitHub, VS Code, IntelliJ IDEA
- Core Competencies: API Development, Data Structures, Problem Solving, OOP, Debugging, Team Collaboration
- Critical Thinking

## PROJECTS

### CodeSage - AI Coding Assistant

- A Python-based AI assistant that provides coding help and explanations using the OpenAI API.
- Integrated command-line and GUI versions with user-friendly design.
- Technologies: Python, Tkinter, OpenAI API.

### Weather Notifier

- Python script that automatically fetches live weather data using APIs and sends alerts.
- Integrated with a scheduler for daily notifications.
- Technologies: Python, Requests, JSON, SMTP.

### Daily Reminder System

- A utility script to schedule and send custom notifications for hydration, study sessions, and breaks.
- Developed using Python's time and pyler libraries.

### Smart Contact Management System

- A full-stack web application for contact management.
- Technologies: JAVA, SPRINGBOOT, HTML, CSS, JavaScript.

# PROJECTS

## Ramadan Special Website

- A responsive web-based project with interactive features built using HTML, CSS, and JavaScript.
- Hosted live with optimized performance for mobile and desktop users.

## MoodMelody - AI-Powered Music Recommendation App

- Developed a Python-based web application that recommends songs based on user mood and emotion.
- Integrated Spotify API for real-time song data and playback.
- Utilized OpenAI API to analyze user mood and generate personalized playlists or song suggestions.
- Built the frontend with React.js and connected it to a Flask backend for seamless API communication.
- **Technologies:** Python, Flask, React.js, Spotify API, OpenAI API, JavaScript, HTML, CSS

# CERTIFICATES

- Coursera —Responsive Website Basics: Code with HTML, CSS, and JavaScript
- IBM DevOps and Software Engineering(Coursera)—Introduction to DevOps
- The Hong Kong University of Science and Technology(Coursera)—English for Effective Business Writing
- University of Colorado Boulder(Coursera)—Communicating Business Analytics Results