

Mirza Ishan Beg

Lucknow, Uttar Pradesh | Portfolio | Gmail | GitHub | LinkedIn

Projects

Repository Dependencies Checker

October 2025 – December 2025

- Built a Python automation tool to scan virtual environment libraries for outdated/deprecated packages, record findings, and notify via Google Task API.
- Created a PySide6 GUI for repository selection and enabled periodic execution via Windows Task Scheduler.

Time Table Visualizer

August 2024 – September 2024

- Processed Excel (.xlsx) timetable data using Pandas and NumPy for structured transformation.
- Designed Matplotlib polar clock visualizations to represent 24-hour daily schedules.
- Implemented regex-based parsing to extract time ranges and normalize schedule data.

Obsidian Canvas Parser

July 2025 – August 2025

- Developed a C++ tool to parse Canvas (JSON) files and generate structured Markdown output with stats.
- Implemented JSON handling using the nlohmann/json library and built it with CMake on Windows.
- Used Qt Creator for development and delivered a standalone executable for automation workflows.

Invoice Registry

December 2024 – February 2025

- Developed a Python desktop application using PyQt with a SQLite backend.
- Implemented CRUD operations, authentication, and role-based access control.
- Engineered business logic for invoice lifecycle, payments, and credit/debit notes.

Skills

Programming Languages : Python, C++, C

Scripting Languages : Batch Scripting, JavaScript, HTML, CSS

Libraries : Pandas, NumPy, Matplotlib, PyQt, SQLite3

Services : Google Task API

Databases : MySQL, SQL, JSON, EXCEL, CSV

Linguistic Proficiency : English, Hindi

Achievements

- Achieved 2nd position in 42Peaks competitive competition, testing problem-solving, analytical thinking and foundational Computer Science concepts.

Education

Integral University

Lucknow, Uttar Pradesh

Bachelor of Computer Applications (**9.0 CGPA**)

2024-2027