Ketan Raghuwanshi

Bengaluru | Ketanraghuwanshi16@gmail.com | 62666-17060 | | **LinkedIn** | ○ **Github**

Education

UIT RGPV, BTech in Computer Science   July 2020 – July 2024
- CGPA: 7.7/10.0

April 2019 – April 2020

Eminent Public School, 12th

Technologies

Developer Tools: VS Code, IntelliJ IDEA, JavaFX, JDBC, Git, Github

Frontend Languages: HTML, CSS, JavaScript

Backend Languages: Java, Python

Database: MongoDB, SQL

Projects

AI Desktop Assistant (Jarvis) — Python   *[GitHub]*
- Created an AI desktop assistant using Python for voice-based task automation, including web searches, reminders, and file management.
- **Voice Command Communication:** Seamlessly interact with the assistant (Jarvis) using NLV commands.
- **Decision Making Model:** Implements AI-based decision logic for smart responses and automation.
- **Image Generation:** Creates AI-generated images based on user prompts.
- **Real-Time Search:** Fetches up-to-date information from the web dynamically.
- **Personalized Responses:** The assistant provides customized responses based on past interactions.
- **Technologies Used:** Python, Groq API, Cohere API, HuggingFace API, CodeWhisperer, AWS Toolkit

Student Management System — Java, JavaFX   *[GitHub]*
- Developed a desktop-based Student Management System using Java and JavaFX with a modern, intuitive GUI, featuring secure login, student record management, and seamless MySQL database integration via JDBC.
- Implemented secure login authentication with hardcoded admin credentials to control access.
- Integrated MySQL database connectivity using JDBC for reliable data persistence and efficient CRUD operations.
- Added search functionality with filtering by student ID to improve user experience and data access.
- Designed modular architecture applying OOP principles, separating logic, UI, and data access layers.
- **Technologies Used:** Java 8+, JavaFX, JDBC, MySQL, IntelliJ IDEA, OOPS, Git, GitHub

Internship

System Operations and Cyber Security Intern — NPTI, Shivpuri, Madhya Pradesh   January 2024 – April 2024

- Gained basic exposure to system operations and cybersecurity practices in a real-time environment.
- Assisted in monitoring network activity and understanding basic security tools like firewalls such as Intrusion Detection and Prevention Systems (IDPS) and Antimalware Software,
- Learned about data protection principles and common compliance standards such as ISO 27001.

CERTIFICATIONS

- Java Full-Stack Web Development - Kodnest
- AWS Machine Learning - Coursera
- Java Programming - HackerRank