

# Rishabh Khandelwal

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## EDUCATION

### Bachelor in Technology (B.Tech)

06/2019 – 06/2023

University of Engineering & Management, Jaipur  
Computer Science Engineering,  
CGPA-7.65

### Higher Secondary Certificate (XII)

02/2017 – 03/2018

DAV Public School, Hazaribagh  
PCM,  
Percentage-63.7

## CORE COMPETENCIES

Agile Practitioner | CI/CD | Statistical analysis | Cloud Computing

## PROJECTS

### Student Attendance using OpenCV

- Developed an automated attendance system utilizing facial recognition technology to track attendance of 5+ individuals simultaneously.
- Implemented robust facial recognition algorithms achieving a recognition accuracy of 95%.
- Spearheaded development of a cutting-edge system guaranteeing top-notch security and accuracy, while maintaining a false rejection rate (FRR) of less than 2% to optimize attendance tracking efficiency.
- Designed a reporting module generates comprehensive attendance reports and allows users to download attendance data for a period of 12 months.

### Detection Using OpenCV

- Implemented deep learning algorithms to develop and deploy 3 detection models: Face, Pose, and Hand.
- Surpassed exceptional accuracy, attaining an average precision of 75% in accurately detecting both images and video streams.
- Virtual Painter application utilizes hand tracking and gesture recognition and hand gestures ranging from 0 to 100 levels for volume control.

### Olympic Data Analysis

- Designed and implemented an end-to-end ETL pipeline on Azure for Olympic data analysis.
- Composed Seamless ingesting diverse data sources, performing complex transformations, and loading structured insights into Azure SQL Database.
- Leveraged Azure Data Factory, Azure Data Lake, and Databricks for efficient data orchestration and transformation, enabling data-driven decision-making by stakeholders.

## SKILLS

**Azure** | **Python** (Pandas, NumPy, Matplotlib, Seaborn) | **Version Control** (Git, Github) | **HDFS** | **R Language**

**Database Management** (PostgreSQL, MongoDB) | **Object Oriented Programming** | **Operating System** (Linux, Windows)

**Machine Learning** (PyTorch, Scikit-Learn) | **Spark Streaming** | **Tools** (Jupyter Notebook, VS code, PyCharm)

## CERTIFICATES

- Machine Learning 
- Python For Data Science
- SQL for Data Analysis
- IBM Cloud Computing

## ACHIEVEMENT

- Achieved rank under 1000 in CodeChef two times among 17000+ participants.
- Attained a 5-star rating on Hackerrank, showcasing consistent performance.
- Engaged in a series of AI/ML summits, immersing latest advancements, breakthroughs, and industry trends in Artificial Intelligence and Machine Learning.
- Volunteered in college events.

## COURSEWORK

Machine Learning | Deep Learning | Data Structures and Algorithm | Operating Systems | Computer Networks  
Data Mining and Warehousing | Artificial Intelligence | Software Engineering | Database Management System  
Big Data Analytics