

# Aman Dhakad

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[https://amandhakad4u.github.io/AMAN\\_PORTFOLIO/](https://amandhakad4u.github.io/AMAN_PORTFOLIO/)

## EDUCATION

### Illinois Institute of Technology.

Master of Science | Information Technology and Management | **GPA: 3.88/4.0**

Chicago, Illinois, USA

Jan/2023 – Dec/2024

### Rajiv Gandhi Proudhyogiki Vishwavidyalaya.

Bachelor of Technology | Computer Science and Engineering

Indore, India

May/2018 – Jun/2022

## SKILLS

- Languages & Frameworks: Python, JavaScript, React, Django, Node.js
- Web Technologies: HTML, CSS, Redux, REST APIs
- Cloud Technologies: AWS, Azure, Google Cloud (familiarity with implementation and architecture)
- Data Management: SQL, SQLite, ETL processes, database optimization
- Tools & Platforms: Linux, Git, Jira

## WORK EXPERIENCE

### HieCOR Software Technologies

Software Engineer

Indore, India

Feb/2022 – Nov/2022

- Developed dynamic user interfaces with **React**, boosting user engagement by 30%, while building server-side applications using **Node.js** and **Express**, improving API response times by 25% and enhancing data processing efficiency.
- Created RESTful APIs in **Django**, facilitating secure data exchange between the front-end and back-end systems, improving application scalability and integration capabilities.
- Optimized SQL database queries, reducing data retrieval times by 25% and increasing overall database efficiency, serving over 1,000 users.
- Participated in Agile sprints and used **JIRA** for tracking, contributing to a 20% reduction in project delivery time. Managed code with **Git**, ensuring collaboration and maintaining quality within a team of 5 engineers.

### Pep Coding Education

Student intern

India

July/2021 – Dec/2021

- Utilized advanced indexing, query optimization, and normalization techniques in **SQL**, reducing database access latency by 25% and enhancing system scalability for handling large datasets.
- Designed and implemented automated **ETL workflows** using **Python**, **Apache Airflow**, and **SQL**, reducing manual data handling by 30% and improving data processing times by 20%.
- Integrated processed data into interactive dashboards with **Power BI**, providing real-time insights that supported business decision-making and reduced reporting times by 25%.

## PROJECTS

### E-commerce Website Development Project:

- Created a robust e-commerce website using Django, HTML, CSS, JavaScript, Python, and SQLite, incorporating essential functionalities like user authentication, product catalog management, shopping cart, secure payment integration, order tracking, and user feedback mechanisms.
- Engineered a robust database architecture to efficiently manage product information, user accounts, order details, and transaction records.

### Face recognition Attendance System:

- Employed OpenCV (LBPH) for precise face recognition, ensuring reliable identification of students.
- Integrated tkinter for a user-friendly GUI, simplifying interaction and navigation within the system.
- Implemented real-time video processing for prompt attendance tracking, accommodating a large user base of 2000+ students.

### Price prediction system:

- Developed a laptop price prediction model with 92% accuracy using a dataset of laptop specifications and historical prices.
- Conducted data preprocessing, feature engineering with Pandas and NumPy, and applied machine learning algorithms, including Decision Trees, Random Forest, and Support Vector Machines. Optimized model performance through hyperparameter tuning.
- Employed Matplotlib for informative data visualizations.

## ACHIEVEMENTS AND CERTIFICATION

- **Ranked 6th** in Data Structure and Algorithm among all institute students.
- **4-star coder** status in Data Structure and Algorithm on Code chef.
- **Google Data Analyst Certificate** - Proficient in data analysis techniques, visualization, and statistics.