

# Aman Dhakad

Chicago, IL, USA | (312)-536-3802 | [adhakad@hawk.iit.edu](mailto:adhakad@hawk.iit.edu) | <https://www.linkedin.com/in/aman-dhakad-87b3571b3/> | <https://github.com/amandhakad4u> | [https://amandhakad4u.github.io/AMAN\\_PORTFOLIO/](https://amandhakad4u.github.io/AMAN_PORTFOLIO/)

## EDUCATION

### Illinois Institute of Technology.

Master of Science in information technology and management | **GPA: 3.77/4.0**

Chicago, Illinois, USA

Jan/2023 – Dec/2024

### Rajiv Gandhi Proudhyogiki Vishwavidyalaya.

Bachelor of Technology in Computer Science and Engineering

Indore, India

May/2018 – Jun/2022

## SKILLS

- **Languages:** Python, Java, JavaScript, C++, CUDA, Golang, Scala, HTML, CSS.
- **Frontend Technologies:** React, jQuery, Angular, Tailwind CSS, TypeScript.
- **Backend Development:** Node.js, RESTful APIs, FastAPI, PyTorch, TensorFlow, Django, Flask.
- **Big Data & Databases:** SQL, PL/SQL, MySQL, PostgreSQL, Oracle, Hadoop.
- **Cloud & DevOps:** AWS, Azure, Docker, Kubernetes, Git, CI/CD.
- **Software Development:** OOP, Design Patterns, Microservices, Agile Methodologies.

## WORK EXPERIENCE

### HieCOR Software Technologies

Indore, India

Software Engineer

Feb/2022 – Nov/2022

- Developed dynamic user interfaces with React v16, 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.
- Participated in Agile sprints and used JIRA to contribute to a 20% reduction in project delivery time. Managed code with Git, ensuring collaboration and quality within a team of 5 engineers.

### Pep Coding Education

India

Student intern

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

### Minimal Virtual Assistant Project | Python libraries.

- Developed a minimal virtual assistant like Siri using Python, speech recognition, and natural language processing to perform tasks like setting reminders and fetching information.

### External-Award Nomination Program at Illinois Tech | Django, HTML, CSS, JavaScript, SQLite, SQL, ORM.

- Designed an advanced award catalog using Django and SQLite, incorporating real-time filtering options that increased applicant engagement by two-thirds.

### Face Recognition Attendance System | Python, OpenCV, Tkinter, Excel, pandas.

- Created a face recognition system using OpenCV (LBPH) for accurate student identification, featuring a user-friendly GUI built with Tkinter and real-time video processing to efficiently track attendance for over 2,000 students.

### Price prediction system | Python, NumPy, Scikit Learn.

- Utilized pandas, NumPy, and time forecast series to predict Bitcoin prices for strategic decision-making. Applied data mining techniques to analyze historical trends, contributing to more accurate predictions of future Bitcoin prices with an RMSE of 172.

## 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.