# Aman Dhakad

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## EDUCATION

**Illinois Institute of Technology.** Chicago, Illinois, USA
Master of Science | Information Technology and Management | **GPA: 3.77/4.0** Jan/2023 – Dec/2024

**Rajiv Gandhi Proudyogiki Vishwavidyalaya.** Indore, India
Bachelor of Technology | Computer Science and Engineering May/2018 – Jun/2022

## SKILLS

- **Languages:** Python, Golang, C++, JavaScript, Scala, HTML, CSS.
- **Frontend technologies:** React, jQuery, angular, tailwind CSS, NPM, TypeScript.
- **Backend Development:** NodeJS, PHP, Django, flask, fast Api, Restful Api, Ajax.
- **Database:** ORM, SQL, DBMS, PL/SQL, MySQL, PostgreSQL, Oracle Database, Hadoop.
- **Cloud, DevOps:** Unix, bash, Git, GitHub, GitLab, AWS, Azure, Docker, Kubernetes, Jenkins, GitLab CI/CD, Apache Tomcat.
- **System Design:** Data Structures & Algorithms, Distributed Systems, Microservices Architecture, Debugging Techniques, Performance Analysis, Architectural Patterns, API Design & Integration, Concurrency & Parallelism, OOPs.

## 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

**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.

**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.

## 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.