

Aman Dhakad

(312)-536-3802 | adhakad@hawk.iit.edu | <https://github.com/amandhakad4u> | <https://www.linkedin.com/in/aman-dhakad-87b3571b3/>

EDUCATION

Master of Science in Information Technology and Management, GPA: 3.77

Illinois Institute of Technology, Chicago, IL

Jan/2023 – Dec/2024

Bachelor of Technology in Computer Science and Engineering

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, India

May/2018 – Jun/2022

EXTRA-CURRICULAR ACTIVITIES

- **Intern, Pepcoding:** Taught algorithms and tools, enhancing student learning and contributing to curriculum development.
- **Mentor:** Organized support for new students, providing academic and career advice through workshops and orientation sessions.
- **Event Coordinator:** Led INVISAGE event for 2000+ attendees, securing sponsorships and managing a high-performing team.
- **Head Boy:** Directed school events and student council initiatives, fostering a positive environment over four years.

WORK EXPERIENCE

HieCOR Software Technologies, India Software Engineer

Jan/2021 – Nov/2022

- Employed Python and image processing tools such as OpenCV, PIL, DLIB, and OCR (Optical Character Recognition) to implement advanced image processing algorithms, covering encoding/decoding, filtering, feature detection, matching, interpolation techniques, image segmentation, and transformation, achieving an outstanding 97% accuracy in meeting client requirements.
- Spearheaded the development of a web application, leveraging Python and Django web technologies to ensure the creation of a robust and feature-rich application.

Pep Coding Education, India

Software Engineering Intern

Apr/2021 – Oct/2021

- Collaborated as a Data Engineering Intern at PepCoding Education, actively engaging with Database Management System (DBMS). Optimizing data organization for faster query times and reducing database access latency by 25%.
- Performed data extraction from various sources, including databases, log files, and external data streams, using tools and technologies like ETL processes and SQL scripts, resulting in improved data accuracy by 15% and reducing data processing time by 20%.

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

SKILLS

- **Web Development:** Java, HTML, JavaScript, Node.js, Django, React.js, RESTful API, MySQL, PL/SQL, Oracle, Python, C++.
- **Data Engineering:** MS Excel, Data Analysis, Statistical Analysis, ETL, Apache Hadoop, Airflow, Power BI, Azure.
- **Machine Learning:** Pandas, NumPy, scikit-learn, TensorFlow, PyTorch, Matplotlib, NLTK, OpenCV.
- **DevOps:** Jenkins, GitLab CI, Docker, Kubernetes, Git, Agile.
- **System Design Skills:** System Architecture, Scalability, High Availability, Load Balancing, Database Design, Microservices, API Design, Shell, Performance Optimization, Design Patterns, Distributed Systems, Data Structures, Algorithms.

ACHIEVEMENTS AND CERTIFICATION

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