

# Nitin Jeyakumar

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Citizenship Status: US citizen

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## EDUCATION

### University of Illinois at Chicago

Chicago, IL

#### Master of Science in Management Information Systems, GPA: 4.00/4.00

August 2023 - present

**Relevant Coursework:** Enterprise Application Development, Machine Learning, Statistics, Probability, Big Data, Data Mining, Advanced Database Management Systems. (expected graduation: May 2025)

### Coimbatore Institute of Technology

TN, India

#### Bachelor of Science in Computer Science, GPA: 3.74/4.00

July 2019 - July 2023

**Relevant Coursework:** Programming in Java, Data Structures & Algorithms, Computer & Operating Systems, Discrete Mathematics, Computer Architecture, Cybersecurity, Object-Oriented Programming, Data Analysis, and Database Management.

## SKILLS

**Technical Skills:** Python3, JavaScript, SQL, React.js, ReactNative, HTML, CSS, and Node.js

**Specialized Skills:** Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, TensorFlow, MongoDB, Spark, Kali Linux, SQLmap, WPScan, Burp Suite, HashCat, Data structures and Algorithms, ETL, Microsoft products, Problem solving, Quantitative analysis, Statistical analysis, OOP, API's, Excel, Management Control, Server Side, Stress Testing, Test Planning .

## TECHNICAL EXPERIENCE

### Headstarter

Remote, US

#### Software Engineer Fellow

July 2024-Present

- Working on apps and API's using Next.js, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users.
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns
- Coached by Amazon, Bloomberg and CapitalOne engineers on Agile, CI/CD, Git and microservice patterns

### Anna University

TN, India

#### Full Stack Developer

May 2022-July 2023

- Developed and maintained the front end of the college's web application, utilizing **HTML, CSS, JavaScript and React.js** to create dynamic and responsive user interfaces.
- Optimized web application for performance, resulting in a 20% reduction in load times and improved user satisfaction.
- Spearheaded integration of APIs with backend developers, ensuring seamless data flow between front end and back-end systems, and enhancing overall user experience.
- Led backend development tasks by creating **RESTful APIs** and managing database interactions using **NOSQL** databases, significantly contributing to overall functionality of the web applications.
- Enhanced my proficiency in **MERN stack (MongoDB, Express.js, React, Node.js)**, solidifying knowledge and practical experience in full stack development.

## ACADEMIC PROJECTS

### Connecting people using Spotify's API (June 2022-November 2022)

- Created a web application for connecting music enthusiasts through Spotify's API utilizing **HTML, CSS, JavaScript**, and web frameworks like **React.js**. Utilized Spotify's API to access music data and user profiles.
- Utilized **GraphQL** for efficient data queries and React components for dynamic user profiles.
- This project won us the 2<sup>nd</sup> place in a competition involving over 80 other teams held by the ASCII-CSE department in our college.

### Driver Drowsiness Alerting System (January 2022 - April 2022)

- Developed a drowsiness alerting system using **Python, OpenCV** and other **deep learning techniques**.
- Implemented machine learning techniques (**SVM algorithm and CNN algorithm**) for real-time facial feature detection.
- Elevated processing speed by 25%, slashing false positives by 15% in the Driver Drowsiness Alerting System through targeted algorithmic enhancement.

### **E-Commerce website** (August 2021 – December 2021)

- Developed this website based on skincare products using **React.js, Node.js, Express.js** and **MongoDB**.
- Has a responsive and intuitive user interface using React.js making the application accessible and visually appealing across various devices.

### **Certifications**

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- Advanced SQL certification from Codecademy
- Responsive Web Designing certificate from FreeCodeCamp
- Python for Data Science certification from Codecademy