

# Dhruva Krishna Nekkanti

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## SUMMARY

Graduate Software Engineer with 2 years of experience in full-stack development, system optimization, cloud-based solutions and a Master's in IT & Mgmt. Proven track record of building scalable web applications, refactoring legacy systems for 40% faster performance, and enhancing UI/UX using Angular and ReactJS. Skilled in Python, C#, SQL, ASP.NET, and cloud technologies, with strong exposure to Agile development. Recognized for delivering reliable software solutions and improving project visibility by 75%.

## EDUCATION

- Illinois Institute of Technology, Chicago, IL**(GPA: 3.7/4.0) Jan 2024 – Dec 2025
- **Master of Science, Information Technology and Management**
  - **Coursework:** Advanced Database Management, Data Networking, OOPs, Service Oriented Architecture(Rest APIs), HCI
- BML Munjal University, Haryana, INDIA**(GPA: 3.0/4.0) Jun 2018 – Jun 2022
- **Bachelor of Technology, Computer Science**
  - **Coursework:** Data Structures, Data Science, Object Oriented Programming, Big Data Analytics, Databases, Cloud Computing

## TECHNICAL SKILLS

**Data Engineering & Analytics:** Python (Pandas, NumPy, Matplotlib), SQL, Excel, Power BI, ETL, Data Pipelines, CI/CD, Docker  
**Programming & Databases:** Python, C#, Java, JavaScript, HTML/CSS, SQL, Oracle, DBMS, RDBMS, NoSQL, Typescript  
**Frameworks & Tools:** ASP.NET, Angular, ReactJS, Jira, Bitbucket, TensorFlow, OpenCV, PyTorch, Git, REST APIs, Spring Boot  
**Cloud & Certifications:** AWS Certified Cloud Practitioner, Google's Introduction to Python, Forage Certifications, Power BI

## WORK EXPERIENCE

- Programmer Analyst**  
Cognizant, Hyderabad, IND Oct 2022 – Nov 2023
- Built and maintained real-time data services for U.S. gas pipeline operations using C# and ASP.NET ensuring operational safety.
  - Refactored and optimized legacy code, boosting service response time by 40% and modernizing UI with Angular.
  - Developed and integrated a centralized deployment calendar, improving project visibility, reducing missed deadlines by 75%.
  - Collaborated in Agile sprints using Jira and Git-based workflows with Bitbucket.
  - Contributed to ETL workflows and optimized data pipeline efficiency for operational analytics.
- Program Analyst Intern**  
Cognizant, Hyderabad, IND Jan 2022 – Sept 2022
- Led a team of 4 to design and develop Flight Explorer, a Progressive Web App (PWA). The application tracks and displays real time flight data, including location, speed, and altitude, providing users with live updates.
  - Owned the API design and developed the entire user interface using ReactJS. This work resulted in a highly engaging and responsive application that provides a seamless user experience.
  - Delivered a highly responsive, cloud-hosted application that handled live data updates with minimal latency.

## PROJECTS

- Restaurant POS System with Uber API Integration – Node.js, Java, REST APIs, HTML/CSS, JavaScript, Uber Eats API**
- Built a restaurant Point-of-Sale web application that centralizes in-store and Uber Eats orders into a single dashboard, reducing manual order entry and errors.
  - Integrated Uber Eats APIs for menu sync and real-time order ingestion, enabling automatic ticket creation and status updates.
  - Implemented features like order management, item-level modifiers, and basic reporting for sales using a relational database.
- Hospital Management System – Java, MySQL, JDBC, OOP, CRUD operations, Data Validation, layered architecture**
- Developed a hospital management application to handle appointments, patient records, billing, doctor schedules.
  - Implemented authentication for admin, patients, doctors and designed relational database schema in MySQL, optimized queries and integrated with Java using JDBC and also built OOP-based classes ensuring scalability and maintainability.
- Car Rental Website with SQL Database – HTML/CSS, MySQL, JavaScript, ASP.NET, MVC pattern**
- Developed a full-stack car rental platform with a SQL database backend to manage vehicles, customers, and bookings.
  - Implemented features such as user authentication and car availability search. Designed booking management workflows to handle reservations efficiently. Ensured a seamless rental process with an intuitive and responsive interface.
  - Optimized SQL queries to improve database performance and scalability. Designed efficient mechanisms for data storage and retrieval operations. Enabled real-time system updates for bookings, availability, and user actions.

## ACHIEVEMENTS

- **Employee of the Month** at Cognizant – March 2023
- **Google Python Certification (2022)**
- **AWS Certified Cloud Practitioner (2023)**