

Dhruva Krishna Nekkanti

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SUMMARY

Software Engineer with 1.5+ 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: 3.67/4.0) Expected Dec 2025

- **Master of Science, Information Technology and Management**
- **Coursework:** Advanced Database Management, Data Networking, OOPs, Service Oriented Architecture, Rest APIs

BML Munjal University, Haryana, INDIA(GPA: 3.0/4.0) Jun 2022

- **Bachelor of Technology, Computer Science**
- **Coursework:** Data Structures, Data Science, Object Oriented Programming, Big Data Analytics, Databases

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
Frameworks & Tools: ASP.NET, Angular, ReactJS, Jira, Bitbucket, TensorFlow, OpenCV, PyTorch
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 across multiple states.
- 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

Weather Prediction using LSTM Time Series Model

- Developed a predictive model by performing time series analysis on 20 years of hourly weather data.
- Trained an LSTM model on historical climatic data to detect patterns and trends. Developed a forecasting system capable of predicting weather conditions up to 30 days ahead. Achieved a high accuracy rate of 95%, validating the model's reliability.

Hospital Management System

- 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

- 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)**