

# Ananya Menon

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## Education

### Illinois Institute of Technology

*Masters of Science in Computer Science*

**August 2023 – May 2025**

*Chicago, Illinois*

### Dayanand Sagar University

*Bachelors of Technology in Electronics and Communication*

**June 2017 – June 2021**

*Bangalore, India*

## Experience

### Software Engineer

*CDK Global*

**June 2024 – May 2025**

*Chicago, IL*

- Led refactoring of 15+ legacy NuGet dependencies and developed async C# event-driven features using AsyncAPI specs, MSTest, and dependency injection, restoring 5 critical CRM systems during CDK's cyberattack recovery with 100% test coverage and zero production incidents.
- Created Python automation scripts utilizing pandas and asyncio that reduced data validation and log processing time by 40%, significantly improving debugging efficiency and real-time monitoring of CRM system health.
- Built a reusable React-based redirect warning dialog with CDK's internal UI/UX library to improve external link safety in the CRM email client, enhancing user security and reducing phishing incidents by 25%.

### Cloud Engineer | Graduate Engineer Trainee

*LTIMindtree(Chevron)*

**June 2021 – July 2023**

*Bangalore, IN*

- Developed and deployed 20+ web applications for Client Chevron using Azure PaaS Services, Docker, Kubernetes, and Python while maintaining application servers, databases, and other resources.
- Investigated vendor-reported issues and designed an ASP.NET application to automate weekly data loads, increasing team performance by 40% and saving 40+ hours of manual work.
- Led a team of 5 to develop an ASP.NET and Angular web application with CRUD operations and REST APIs for an in-house bus reservation system, improving ticketing efficiency and customer satisfaction by 20%.

### Data Analyst Intern

*DailyNinja*

**June 2019 – July 2019**

*Bangalore, IN*

- Built a data pipeline to utilize Python and Excel to acquire, prepare, and cleanse large datasets, resulting in a 35% improvement in data accuracy and reliability.
- Implemented automation scripts in Python to streamline data preparation tasks, reducing manual effort by 25% and increasing team productivity.

## Projects

### F1 Live Hub – Driver & Race Tracker | *Flutter, REST API, Dart, Android Studio*

**January 2025**

- Built a fully responsive F1-themed mobile app showing live driver & constructor standings, race calendar, and favorite drivers using the Ergast API and shared\_preferences for persistent state.
- Implemented a red-black UI theme with card-based layouts for clear data visualization and intuitive navigation, inspired by the official F1 aesthetic.

### ParkdIn-Smart Parking System | *Flask, Python, SQL, HTML/CSS*

**August 2023**

- Developed a Flask-based web application to automate parking slot management, user registration, and slot booking with live availability tracking.
- Integrated SQLite for persistent data storage and implemented clear user interfaces with HTML/CSS for ease of use.

### Flask Based Web App on Diabetes Prediction Using Machine Learning | *Python, Flask, Heroku* **December 2021**

- Developed a comparative study of different classification algorithm models on the Diabetes Dataset to predict if the user has diabetes and subsequently made a Flask-based web app deployed on Heroku.
- Resulted in proof that random forests are efficient and provide better accuracy of 81.168%.
- Published in Springer.

## Technical Skills

**Programming Languages:** C# , C/C++, Java, Python, SQL, Dart, Javascript, Typescript

**Frameworks:** ASP.NET MVC Framework, ASP.NET WEB API, Flask, Angular, Entity Framework Core, React,Flutter

**Developer Tools:** Microsoft Azure, DevOps, Git, ServiceNow, SQL Server Management Studio, Android Studio

**Cloud/Architecture:** Azure PaaS, AWS, Docker, Kubernetes, MSTest, REST APIs, MongoDB

**Certifications:** Microsoft Certified Azure DevOps Engineer Expert, Microsoft Certified Azure Developer Associate, Microsoft Certified Azure Data Engineer Associate