

# Ankith Nagabandi

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## EDUCATION

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### University of Connecticut

*M.S. Computer Science & Engineering GPA: 4.0/4.0*

Storrs, CT

*Aug. 2025 – Exp Dec. 2026*

### University of Connecticut

*B.S. Computer Science & B.A. Cognitive Science*

Storrs, CT

## TECHNICAL SKILLS

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**Cloud & BI:** AWS, Azure, Snowflake, Power BI, Tableau, DataBricks, Oracle

**System Support:** MacOS, Cisco, Linux, Windows, Git

**DevOps:** CI/CD, Jenkins, Agile, CI/CD, Docker, Kubernetes

**Programming:** Python, R, SQL, C++, C, Rust, Ruby, JS, TS

**Data & Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib, Seaborn

**AI & Data Engineering:** Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Data Pipelines, ETL

## CERTIFICATIONS

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**Completed:** Azure Data Fundamentals (DP-900)

**Pursuing:** Azure AI Fundamentals (AI-900), AWS Developer Associate, Cisco CCNA

## EXPERIENCE

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### Software Engineering Intern

June 2024 – Aug. 2024

*Optum Technology*

*Hartford, CT*

- Implemented ETL processes with high accuracy and attention to detail, reducing processing time by **60%** through analytical thinking
- Applied statistical tools to describe business results in measurable scales, assisting in data-driven decision-making
- Performed requirements analysis with stakeholders to elicit functionality needs and ensure project success

### Data Analyst Intern

June 2023 – Aug. 2023

*Convergence Inc*

*South Norwalk, CT*

- Analyzed **250K+ record** datasets using query and database access tools (SQL, Python) for business insights
- Applied analytical thinking to determine root causes of data issues and created alternative solutions

### Undergraduate Researcher

Mar. 2023 – May 2023

*Dept. of Computer Science & Engineering, UConn*

*Storrs, CT*

- Built data pipelines using Python and SQL for machine learning projects with focus on accuracy and precision

## PROJECTS

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### NBA Shot Success Prediction & Dashboard | *Python, ML, Deep Learning*

Sept. 2025 – Jan. 2026

- Developing predictive models using machine learning and physics-based analytics to predict shot success probability based on distance, angle, defender proximity, and player statistics
- Implementing deep learning algorithms with TensorFlow analyzing spatial and temporal patterns to optimize shooting decisions
- Used Data Visualization Techniques to build a dashboard for understanding NBA Shot Selection

### CARLA Computer Vision and Classification | *CV, PyTorch*

Aug. 2025 – Dec. 2025

- Built an end-to-end computer vision pipeline to classify objects in simulated driving environments using multiple CARLA datasets
- Implemented preprocessing workflows to extract, crop, normalize, and label object-level image regions
- Trained and evaluated deep learning models for multi-class object classification, analyzing performance and robustness across diverse simulated scenarios

### Remaining Useful Life (RUL) Analytics – Pratt & Whitney | *Python, SQL*

Aug. 2024 – May 2025

- Built data transformation pipelines to structure raw engine sensor data for analytics and modeling
- Validated data quality and documented assumptions to support reproducible analysis