

Nihal Barcin

nihalbarcin.com | [LinkedIn](#) | [GitHub](#) | [Kaggle](#)

Location: New Jersey, USA

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Artificial Intelligence Engineer with a Master's degree in Computer Science and hands-on experience in machine learning, deep learning, natural language processing, and cloud technologies. Successfully completed 50+ AI and data science projects using Python, TensorFlow, Scikit-learn, Hugging Face, Streamlit, and AWS. Passionate about Large Language Models (LLMs), AI agents, Retrieval-Augmented Generation (RAG), and building intelligent, secure, and scalable AI solutions.

EXPERIENCE

AWS re/Start Cloud Computing Program

Per Scholas

Aug 2026 – Present

Remote – New Jersey, USA

- Currently participating in the AWS re/Start Cloud Computing Program at Per Scholas, an intensive hands-on training program focused on AWS Cloud, Linux, networking, security, scripting, and cloud infrastructure
- Developing practical experience with AWS services, cloud operations, and infrastructure through hands-on labs, team-based projects, and real-world scenarios.

Astronomy Research Summer Intern (Intro2Astro)

University of California, Berkeley and University of Hawai'i

June 2026 – Aug 2026

Remote, USA

- Participating in an 8-week international astronomy research internship focused on scientific computing and astronomical data analysis.
- Analyzing real astronomical datasets using Python and Jupyter Notebook while applying data analysis techniques in astronomy research.
- Working with astronomical databases, including Gaia and MAST, to explore observational data and exoplanet-related research.
- Developing reproducible research workflows and documenting weekly assignments and projects through GitHub.
- Strengthening skills in scientific programming, data visualization, research methodologies, and AI applications in astronomy.
- Collaborating in weekly research sessions led by researchers affiliated with the University of California, Berkeley and the University of Hawai'i.

Community Member (WICxAI Innovator Program)

Women in Cloud

June 2025 – Present

Remote, USA

- Proud to be an official member of the WICxAI Innovator Program. Excited to deepen my AI and cloud expertise and build practical, employer-recognized skills alongside a global cohort.

Project Manager

SheFa Group LLC

March 2020 – June 2023

Remote, USA

- Led the development of a farm-to-table marketplace platform connecting local farmers with consumers.
- Designed application wireframes and contributed to UX/UI planning to improve usability and user experience.
- Conducted functional testing and incorporated user feedback, contributing to the successful on-time launch of the platform.

EDUCATION

City University of New York-College of Staten Island

Master's degree in Computer Science

Staten Island, NY, USA

Sep 2019 – Aug 2022

Kean University

Bachelor's degree in Computer Science

New Jersey, USA

Jan 2016 – May 2019

Mastering Applied Data Science, The Data Science Bootcamp

Data Science and Artificial Intelligence

Remote, USA

Jan 2026 – April 2026

PROJECTS

Project 1

Data Mining and Visual Analytics Using Tableau

[Source Code](#)

- Research project presented at Kean Research Days (April 2020). Co-author: Dr. Ching-Yu Huang.

Project 2

Social Media Data Analyzing

[Source Code](#)

- Presented research on social media data analysis using data mining and visualization techniques to identify meaningful patterns and insights.
- Publisher:Kean Research Days. Co-author: Dr. Ching-Yu Huang.

CERTIFICATIONS

- **Microsoft:** AI-102, AI-900, SC-200, SC-300, SC-900
- **AWS:** AWS Certified Cloud Practitioner
- **CompTIA:** Security+, CySA+, CSAP
- **Google:** Google Cybersecurity Professional Certificate
- **ISO:** ISO/IEC 27001 Lead Auditor, ISO/IEC 27001 Lead Implementer, ISO/IEC 27701 Lead Auditor, ISO/IEC 42001 Lead Auditor