

Nayana Nona Dinamoni

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EDUCATION

Arizona State University

Tempe, AZ

Bachelor of Science in Computer Science

Expected Graduation - May 2027

- **Related Coursework:** Intro to Java, Calculus 3, Intro to Engineering, Statistics

EXPERIENCE

Code Coach

July 2024 – Present

The Coder School

Gilbert, AZ

- Teach programming concepts and problem-solving skills to students (ages 7 - 14) across various languages including Scratch, Python, and Java
- Coordinated marketing campaign to increase student acquisition by 300 percent

Math and Reading Instructor

May 2023 – July 2024

Kumon North America Inc.

Gilbert, AZ

- Tutored students one-on-one on the fundamentals of Math and Reading
- Answered questions from the main classroom, in addition to grading classwork, homework, and tests alongside and inputting them into the official system.

PROJECTS

Floppy Fish | *Java*

- Developed a Flappy Bird spin-off game using Java and Swing, incorporating object-oriented principles, event handling, and custom game physics. Implemented additional features like dynamic difficulty adjustment and a scoring system to enhance user engagement
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Phoenix Weather Predictor | *Python, Pandas, Skicit-Learn*

- Leveraged machine learning with scikit-learn to predict Phoenix weather patterns based on historical data.
- Built a Linear Regression model predicting Phoenix temperatures. Performed data preprocessing, feature engineering, and handled missing data. Achieved an R^2 score of 0.85 and developed a Python script for real-time predictions.

LEGO Mindstorms Autonomous Robot | *MATLAB*

- Developed a MATLAB program to control a LEGO Mindstorms robot with autonomous and manual modes, achieving 100 percent accuracy in obstacle detection and avoidance using the Ultrasonic Sensor
- Implemented left hand algorithm for obstacle avoidance and color-based behavior mapping, triggering specific actions based on detected colors, improving task completion speed by 30 percent

LEADERSHIP

Goldman Sachs Possibilities Summit Program

- Interactive, virtual program designed to expand personal network, cultivate top industry skills to become a leader, and explore the wealth of opportunities available at the firm. Selected out of 8000+ applicants.

TECHNICAL SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, MATLAB

Developer Tools: Git, Visual Studio Code, PyCharm, IntelliJ, Eclipse

Certifications: Amazon Certified Cloud Practitioner

Platforms: Linux, MacOS, Windows

INTERESTS

Clubs: Society of Women Engineers, Google Developer Student Club, Women in Computer Science