

Akash Anand

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EDUCATION

Amity University Noida

Master of Computer Applications

Aug. 2024 – May 2026

Noida, U.P.

Gauhati University

Bachelor of Computer Applications

Aug. 2020 – May 2023

Guwahati, AS

EXPERIENCE

Amity Innovation and Design Center

May 2025 – Jul. 2025

Software and Robotics Intern

Noida, U.P.

- Built a quadruped using ESP32 and a 16-channel servo controller, implementing wave gait locomotion.
- Integrated MPU6050 and ultrasonic sensors for balance, obstacle detection, and responsive movement.
- Cost-Effective Biomimicking Quadruped Robot for STEM Education International Conference on Intelligent Computing and Systems at the Edge (ICEdge 2025, IISc Bangalore) (IEEE, Scopus) - Accepted for publication

PROJECTS

Rain Watch: Never forget to carry umbrella ever

Tech Stack: Python, Requests, OpenWeather API, Twilio, Git, GitHub

- Built a weather alert application that retrieves forecast data from the OpenWeather API.
- Parsed JSON responses to detect upcoming rainfall.
- Configured a GitHub Actions workflow to execute the application every day at 7:00 AM IST without requiring a local machine.
- Secured API keys and authentication credentials using GitHub Secrets and environment variables.

Snake Game: Nostalgic snake game

Tech Stack: Python, OOP, Turtle Graphics, Git, GitHub

- Built using Python and Turtle graphics
- Applied Object-Oriented Programming
- Implemented collision detection and score tracking

Password Manager: Way to store your passwords locally

Tech Stack: Python, Tkinter, JSON, Git, GitHub

- Developed a desktop application using Tkinter
- Implemented password generation and JSON-based storage
- Added search functionality

ACHIEVEMENTS

- Achieved Contest Rating of <1500 on LeetCode. 
- Secured 1st position in Code it Quizzlet 2.0 2025 
- Pull Request successfully got merged in learnGitBranching's main branch. 

TECHNICAL SKILLS

- **Languages & Technologies:** Python 3, Tkinter, Turtle, REST APIs, MySQL, Git, GitHub, HTML, CSS & JavaScript (Basics)