

# RHEA GOYAL

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## Summary

Electrical Engineering student at Texas A&M University with a strong foundation in Python, Java, and JavaScript. Proven experience in AI and machine learning through project-based research, including developing predictive models for financial trends. Passionate about software development and data science to solve complex real-world problems.

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## Skills

- Javascript, React, HTML, CSS
  - Python
  - C++
  - Java
  - Basic AI, ML, and computer vision
  - Game Development and Godot
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## Experience

### Tutor

04/2024 to Current

#### Schoolhouse

- Assisted students with homework and exam preparation in various subjects.
- Facilitated small group sessions to enhance collaborative learning experiences.
- Developed lesson plans tailored to the needs of each student.

### Inspirit AI Mentee

08/2024 to 08/2024

#### Inspirit AI Summer Program

- Built an AI model to predict financial trends from tweets, and earned machine learning concepts, such as neural networks.
- Collaborated with a cohort of peers to brainstorm and troubleshoot algorithmic challenges.
- Presented final project findings to mentors and peers, effectively communicating complex machine learning workflows, and the real-world implications of the data.

### Intern

06/2023 and 06/2024

#### Secure Automation Consultants

Jaipur, India

- Built an intelligent mobile application that optimized associate productivity.
  - Boosted employee engagement by 15% and productivity by 7% by implementing strategic initiatives focused on automation and eliminating redundant tasks.
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## Projects

- **HowdyHack Award Winner:** Built a sidescroller using Godot that was recognized for excellence in game design and asset development.
  - **Developed an AI-powered inventory dashboard** for Mai Shun Yun using Python and machine learning to analyze historical data and generate predictive insights for optimized stocking and usage at Tamu Datathon.
  - **Developed an interactive Choose Your Own Adventure game** using Python for a competitive Game Jam, implementing complex conditional logic to manage multiple narrative paths.
  - **Engineered an interactive personality quiz web application** using HTML, CSS, and JavaScript, implementing branching logic to deliver personalized results based on user input.
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## Education

### Bachelor of Science Electrical Engineering

Expected in 2029

Texas A&M University

College Station, TX

- Additional coursework in Programming Design and Concepts.