

# Ram Laxminarayan

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16 Yorkshire Village Road, Lawrenceville, NJ, 08648

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## Education

*Purdue University - B.S. in Computer Science, Minor in Economics (Expected Graduation Date: May 2025)*

*Concentrations: Software Engineering and Machine Intelligence*

GPA: 3.89/4.00

## Work Experience

### HitWit

*AI Intern (Summer 2024) - Involved Python, Llama3, LangChain, Gradio*

- Collaborated with developers on an educational studying tool utilizing the RAG AI model to deliver accurate, course-specific information through a chatbot, enhancing learning experiences for users
- Conducted rigorous testing on educational product to guarantee user-friendliness and effectiveness

### Aflac

*Global IT Intern (Summer 2023) - Involved Python, AWS CloudShell, AWS Config, Powershell*

- Ensured proper AWS account and resource configuration, simplifying resource status monitoring and organization
- Developed rules for at least 10 AWS resources, validating account configurations across user accounts

*Corporate IT Intern (Summer 2022) - Involved Python Flask Servers, Python, HTML, CSS, PostgreSQL*

- Pioneered four web pages for user account submission, improving data management, customer satisfaction, and account retention
- Facilitated easy access to account information with update and view options, enhancing account management efficiency

## Projects

- **AI Food Recommendations Project** - Designed a chatbot-integrated system in Python using the NLTK package to provide tailored restaurant recommendations based on user preferences
- **Subletting Platform** - Integrated a MERN stack application for college students to efficiently lease and sublease properties of interests near universities
- **Tennis Booker** - Launched website for booking tennis tickets with data management in an SQL database
- **Shell Interpreter** - Generated a shell interpreter to run a command-line interface between users and the OS
- **Malloc Project** - Recreated `malloc()` and `free()` methods from `malloc.h` library in C
- **Course Platform Project** - Collaborated on a group project to create a course platform for instructors to manage courses and quizzes, with easy student access to materials
- **Class Scheduler** - Engineered a real-time class and lab reservation program to optimize course utilization

## Skills

- **Languages and Tools:** Python, Java, Javascript, C, C++, HTML, CSS, React, SQL, NoSQL, R, Flask, Bash Scripting, AWS, MongoDB, Neo4J, PostgreSQL, ExpressJS, NodeJS, Yacc, Lex, Llama3, LangChain
- **Math:** Calculus, Linear Algebra, Discrete Math, Statistics
- **Economics:** Microeconomics, Macroeconomics, Game Theory, Behavioral

## Professional Activities and Affiliations

### Purdue Hackers

- Developed over 30 coding and problem solving exercises during workshops and mini-hackathons
- Organized coding events to foster teamwork, participation, and skill development Aug 2021 - Present

### IEEE Computer Society Club

- Designed three software and hardware prototypes for advanced robot movement monitoring
- Evaluated robot movement capabilities to ensure safety and optimal human interaction Jan 2022 - Present

### Railside Robotics

- Constructed and programmed high-performance battle bots for competitive robotic events
- Partnered with team to optimize robot structure for strength and speed Aug 2023 - Present