

# Aditya Gupta

West Lafayette, IN

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## Education

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**Purdue University**, West Lafayette, IN

Bachelor of Science in Computer Science

College of Science

**Honors:** Dean's List, Semester Honors

**GPA: 3.69/4.00**

Expected Graduation: May 2029

## Technical Skills

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**Languages:** Java, C, Python

**Core Concepts:** Object-Oriented Programming, Data Structures (intro), Algorithms (intro), Debugging, Problem Solving

**Tools:** Git, GitHub, VS Code, Linux/Unix Command Line

## Relevant Coursework

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Problem Solving and Object-Oriented Programming (CS 180), Programming Tools (CS 193), Calculus I, Microeconomics, Critical Thinking & Communication

## Projects

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### Object-Oriented Programming Projects (Java)

- Developed multiple Java applications using object-oriented design principles including encapsulation, inheritance, and polymorphism
- Designed modular, maintainable code with clear class hierarchies and reusable components
- Identified and resolved logical and runtime bugs through systematic testing and edge-case analysis

### Development Tools & Workflow

- Used Git and GitHub for version control, commit management, and collaborative workflows
- Compiled, executed, and debugged programs using command-line tools
- Applied professional development practices including incremental testing and clean code standards

## Data & Analytical Experience

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### The Data Mine Seminar I

- Applied data-driven thinking to real-world, interdisciplinary problem discussions
- Developed foundational understanding of data analysis, ethics, and team-based collaboration

## **Additional Strengths**

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- Strong analytical skills supported by rigorous mathematics and computer science coursework
- Fast learner with ability to ramp up quickly on new tools, languages, and codebases
- Effective communicator with experience explaining technical concepts clearly