

# PARTH CHATURVEDI

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## Education

### NEW YORK UNIVERSITY, COURANT SCHOOL OF MATHEMATICAL SCIENCES

New York City

Master of Science, Information Systems

Sep 2023 - May 2025

- Courses: Database Management Systems, Cloud Computing, Fundamentals of Algorithms

### MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY

Bhopal, India

Bachelor of Technology, Computer Science and Engineering

Jul 2016 - Jan 2020

- Courses: Data Structures, Algorithms Design and Analysis, Object Oriented Design, Software Engineering

## Skills

**Programming Languages:** Java, Python

**Markup/Styling Languages:** HTML, CSS

**Frameworks:** Spring Boot, Flask

**Databases:** MySQL

**Cloud Technologies:** AWS, Google Cloud, Microsoft Azure

**Tools:** Git, GitHub, JIRA, AppDynamics, ServiceNow

**Core Competencies:** Full-Stack Development, Rest APIs, Object-Oriented Programming, CI/CD, Agile Methodologies, DevOps Principles, Web Application Development, Design Patterns

## Work Experience

### JOHN DEERE

Pune, India

Senior Software Engineer

Aug 2020 - Jul 2023

- Developed a tax-precise quotation service, expanding app reach to six regions and increasing revenue by \$500,000.
- Reduced incident resolution time by 30% with a performance monitoring dashboard.
- Led the migration of a critical on-premises application to AWS, reducing infrastructure costs by 10% and enhancing application performance by 20%.
- Led a 60+ participant hackathon, advancing five top ideas using Agile and cloud technologies.
- Reduced incidents by 35% with a stakeholder dashboard and streamlined incident assignments.
- Onboarded 10 engineers with structured training, leveraging Microsoft Suite and version-controlled materials.

### ALLY HEALTH SOLUTIONS

Remote

Software Engineer Intern

Jun 2019 - Jul 2019

- Built appointment scheduling and registration web pages, enhancing usability and efficiency for Revenue Cycle Management.

### CULTURE MACHINE

Pune, India

Software Engineer Intern

May 2018 - Jun 2018

- Boosted blog traction by 20% with a Bloggers section for trending topic recommendations.
- Improved code quality and reduced vulnerabilities by 25% through code refactoring.

## Projects

Portfolio Management System (Python, Flask, SQL, Azure ML, HTML, CSS, JavaScript)

Apr 2024 - May 2024

- Developed a platform to provide users with tailored recommendations on stock purchases, leveraging their current portfolio data.
- Integrated real-time market data and Azure ML algorithms to align recommendations with users' investment goals and strategies.

RobothonsWeb Competition Platform (Python, Java, C++, RabbitMQ)

Oct 2024 - Dec 2024

- Expanded the platform's functionality to allow participants to compete by creating bots in multiple languages, including Java, C++, and Python, for algorithmic trading using Citi's historical data.
- Enhanced the platform to deploy high-performing bots internally at Citi to optimize trading strategies and decision-making.

Car Rental Website (Java Spring Boot, React, MySQL, Azure ML)

Dec 2023 - Jan 2024

- Designed a user-friendly platform to help customers easily rent vehicles while providing tailored recommendations for optimal pricing and availability.
- Utilized Azure ML to implement a predictive pricing model based on user preferences and integrated it with a MySQL database for efficient data management.