

Contact

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(LinkedIn)
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Top Skills

python
Deep Learning
PyTorch

Languages

Hindi (Limited Working)
Tamil (Native or Bilingual)
French (Limited Working)
English (Full Professional)

Certifications

Introduction to data structures using python
AWS
Social Networks

Publications

A study on quantum cryptography and computation

Priyadharshini Ganeshkumar

MSCS @ UC Davis | Ex-SDE @ JPMorganChase | Data Science & Machine Learning | Python, SQL, Backend
Davis, California, United States

Summary

Hi, I'm Priya — a Computer Science grad student at UC Davis with a strong belief that technology should serve real people. My journey began as a software engineer at JP Morgan Chase, where I moved beyond just writing code to understanding how every feature impacted clients in live trading environments. This shift shaped one of my key qualities: customer obsession. I've learned to think from the end-user's perspective, working backward to build solutions that are intuitive, reliable, and genuinely useful.

I'm also deeply passionate about data-driven problem solving, especially in areas like machine learning and analytics where thoughtful patterns lead to impactful decisions. Whether it's optimizing business processes or debugging stubborn issues under tight deadlines, I take pride in owning challenges and delivering results consistently, and without cutting corners. My curiosity and accountability fuel a mindset of continuous learning and clear execution.

Experience

University of California, Davis
Graduate Teaching Assistant
April 2025 - Present (5 months)
Davis, California, United States

Summer Teaching Assistant in the Graduate School of Management - Business Analytics (BAX 461 : Practicum Initiation)
- Assisted Professor Josue Martinez with course logistics management and practicum assignments.

Spring Teaching Assistant for the Philosophy Department (PHI 010 / CGS 001 : Introduction to Cognitive Science).
- Assisted Professor Jonathan Dorsey by delivering revision lectures, leading group discussions, grading assignments, and proctoring exams for over 100

students, while maintaining high standards of academic integrity and student support.

- Conducted weekly office hours to provide additional academic assistance and mentorship to students.

JPMorgan Chase & Co.

2 years 6 months

Software Engineer I

July 2022 - June 2024 (2 years)

Bengaluru, Karnataka, India

- Contributed to the application modernisation by migrating from legacy VSI to new data centre, which reduced the batch processing time by 45-60 minutes on downstream interfaces.
- Performed regression testing, resolved issues, and validated the batch post DNS switch.
- Successfully migrated the database from PSI Infrastructure to in-house oracle service GOS providing a cost-effective and efficient solution for the application's database requirements.

SWE Intern

January 2022 - June 2022 (6 months)

Bengaluru, Karnataka, India

- Involved in development and regression testing of the core batch during Informatica decommission
- Onboarded the application to SQL Loader, resulting in significant cost savings of over \$50,251 annually on software recovery.

Education

University of California, Davis

Master's degree, Computer Science · (2024 - 2026)

PSG College of Technology

Bachelor of Technology - BTech, Information Technology · (2018 - 2022)

TVS Matriculation Higher Secondary School

Computer Science · (2016 - 2018)