# Rupa Raj

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## EDUCATION

**University of Massachusetts Amherst**                                     Exp. Graduation May 2026
Bachelor of Science: Computer Science and Economics
Minor: Business Administration
GPA: 3.5

## EXPERIENCE

**Convatec**                                                                           Jul - Oct 2024
*Sustainable Data Solutions Intern- Manager Profile Referral : Brandon Ruebsamen*
- Worked closely with EHS & Facilities Manager of Lexington, MA site; established a weekly outline to create a functional carbon data analysis tool
- Created search tool using Excel and VBA code which allows for user to search by different component ID's, and retrieve the appropriate information
- Evaluated and compiled 6,000+ data collection entries analyzing carbon data analytics
- Constructed several analytical models for trial process by the Biomaterials director and research team of several global Convatec sites
- Generated database reports; used SQL to adjust over 1,000 data entries; time efficiency increase ~30 seconds/search
- multiple responsibilities within the position besides the project such as: liaison for the product development team for evaluation feedback weekly, co-leading progress meetings with interns at different Convatec sites and presenting the finished tool to executive leadership of the company.

**Undergraduate Course Assistant**                                           Aug 2024-Present
*Introduction to Programming- CS 119*
- Assisted with weekly lab sessions, grading assignments (labs, homework's, exams) ~10 hours/week
- Hold once weekly, one-hour long office hours sessions to answer student's inquiries

**Student Engagement and Leadership Office**                          Nov 2023 – May 2024
*Office Manager*
- Maintained databases regarding supplies used in the office, records of student employee attendance, and the office schedule
- Assisted the scheduling office employees as to be able to reach out to different campus sites for availability

## PROJECTS

- **Music Recommender Project (current):** Python, NumPy, Pandas, Flask Framework, Data Cleaning/Analysis
- Goal: to go through data science lifecycle to tackle problem using AI; Incorporate data from Musicboard and outside resources to create most optimal album recommendations

## EXTRACURRICULARS

**Data Science Club**
*Director of Media and Outreach*                                              Aug 2024 – Present
- Manage team of 5; collaborate closely with president and vice to construct semester long plans for club
- Head of media communication on Instagram, LinkedIn, Link tree, and Facebook for weekly updates
- Head coordinator of outreach with other CICS clubs both within and outside of university

**Product Management Club**

*Member*                                                                                              Aug 2023 – Present
  • Collaborated with other students weekly; constructed model products along with peers; presented weekly ideas to small
    businesses and club board

**Amherst Neighbors**

*Volunteer*                                                                                            Aug 2022 – Present
  • Attended bi-weekly sessions at Amherst Neighbors to assist elderly with both minor and major technological inquiries

SKILLS AND CERTIFICATIONS

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  • **Skills**: Java, Typescript, Python, C, SQL, Introductory ML, AI,  Microsoft Office Applications: Excel, PowerBI,
  • **Certifications**: IB Diploma, Salesforce Trailhead, Human Leadership LinkedIn
  • **Languages**: English (Native Speaker), Spanish (Proficient), Telugu (Basic), Tamil (Basic)