

RASHMIKA NATTAM

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EDUCATION

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| University of Illinois at Chicago Master of Science in Computer Science | May 2025 GPA: 4.0/4.0 |
| Gayatri Vidya Parishad College of Engineering (Autonomous) Bachelor of Technology in Computer Science and Engineering | Apr 2023 GPA: 3.56/4.0 |

TECHNICAL SKILLS

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| Programming Languages: Python, SQL, Java, C, C++, Javascript |
| Web Technologies & Databases: HTML, CSS, Angular, ReactJs, Tailwind CSS, WordPress, MySQL, MongoDB, SQLite, Swagger |
| Tools & Platforms: Google Workspace (Docs, Sheets, Slides), Docker, GCP |
| Machine Learning: TensorFlow, NLTK, Scikit-learn, Data Visualization |
| Technologies & Framework: Git, Figma, .NET, PowerBI |

EXPERIENCE

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| Connex AI LLC | Remote |
| Jr. Python Developer | Present |
| • Built RESTful APIs with FastAPI for document upload and question generation, integrating validation, exception handling, and Swagger docs. | |
| • Developed frontend components in React.js and implemented database integration with MongoDB and SQLAlchemy, improving data flow and system efficiency. | |
| University of Illinois at Chicago | Chicago, IL |
| Research Intern | Present |
| • Applied reflexive thematic analysis and topic modeling to interviews from 21 older adults, leveraging NLP to uncover behavioral and adoption patterns. | |
| • Collaborated with a 6-member team to generate recommendations improving digital engagement among older adults. | |
| University of Illinois at Chicago | Chicago, IL |
| Graduate Teaching Assistant | Aug 2024 – May 2025 |
| • Supported instruction for CS 211: Programming Practicum and CS 480: Database Systems, assisting over 250 students across two semesters., improving student comprehension in C, C++, SQL, and API integration. | |
| • Improved process efficiency by streamlining grading and query resolution, reducing turnaround time by ~20%. | |
| • Analyzed recurring student queries to identify root causes and optimize instructional materials, leading to ~15% performance improvement. | |
| LТИMindtree | Visakhapatnam, India |
| Ignite Trainee Internship | Feb 2023 – May 2023 |
| • Showcased proficiency in Java, SQL, and JavaScript through rigorous coursework, equipping with skills to architect robust software systems and implement efficient data management solutions. | |
| • Ranked in the top 10% of performers for delivering innovative code solutions and demonstrating strong expertise in programming, database management, and software design. | |
| S.S.Engineers | Hybrid |
| Data Analytics Intern | Jul 2021 – Jan 2023 |
| • Analyzed production and logistics data with Excel and Python, boosting on-time deliveries by 15% and reducing defects by 12%. | |
| • Partnered cross-functionally to implement data-driven improvements, enhancing inventory accuracy and fulfillment speed. | |

PROJECTS

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| Chicago Traffic Visualization | Apr 2025 |
| • Built interactive visualizations for 1.8M+ crash records using Curio, Python, and Dockerized deployment environments. | |
| • Collaborated cross-functionally to implement data filtering and design interactive dashboards for public safety insights. | |
| Angular Weather Dashboard | Nov 2024 |
| • Developed an Angular weather dashboard integrating OpenWeatherMap API to display real-time weather data. | |
| • Enhanced usability with responsive design and state management for recent search history.. | |
| Impact of COVID-19 on Illinois's Small Businesses | Apr 2024 |
| • Spearheaded analysis and visualization of over 150,000 loan approval records using Python and data analysis libraries. | |
| • Developed machine learning models with 70% accuracy to predict loan approval outcomes, enhancing risk management strategies. | |