

# RAKESH PALLE

☎ +1(607) 338-0178 | ✉ [rakeshpalle17@gmail.com](mailto:rakeshpalle17@gmail.com) | [in /in/rakeshpalle17](https://www.linkedin.com/in/rakeshpalle17) | [github /rakeshpalle17.github.io](https://github.com/rakeshpalle17)

## EDUCATION

**Master of Science in Computer Science**, SUNY Binghamton University Expected December 2024  
Cumulative GPA: **3.97/4.00**

**Bachelor of Technology in Information Technology**, Kakatiya University 2017 - 2021

## EXPERIENCE

**Software Development Intern**, Our National Conversation | Remote February 2024 – May 2024

- Optimized APIs to enhance news retrieval based on geolocation, and unit tested them using Postman, improving overall performance by 20%.
- Collaborated with the COO and engineering teams to communicate technical strategies, ensuring successful production deployments.
- Resolved production issues with prompt and sustainable solutions, maintaining smooth system operations.
- Created 'Opinions' functionality, enabling users to share their thoughts or concerns at any time which increased user satisfaction by over 40%.

**Graduate Teaching Assistant**, Binghamton University | Part-time, Binghamton, NY August 2023 – Present

- Evaluated student projects and assignments using a Python auto-grader by integrating GitHub submissions, providing comprehensive feedback to a class of 60.
- Conducted office hours to assist with various programming languages such as Java, Haskell and Prolog.

**Associate Software Engineer**, Accenture | Hyderabad, India September 2021 – December 2022

- Enhanced the website of a leading U.S. based telecommunications client by implementing new features using JavaScript, HTML, and CSS.
- Engineered an API to retrieve customer credit history from Equifax, boosting data-fetching efficiency by 20%.
- Integrated REST APIs and microservices to drive scalability and optimize system performance.
- Partnered with the production team to manage scheduled maintenance of production and development servers, resulting in a 15% increase in user satisfaction due to uninterrupted service.
- Collaborated with the Database Administrator to execute SQL scripts for creating and modifying database tables, improving data accessibility by 12 to 15%.

## TECHNICAL SKILLS

**Languages:** Java, Python, SQL, JavaScript, HTML, CSS  
**Database:** Oracle, MySQL, SQL Server, Cassandra  
**Frameworks:** Spring Boot, Hibernate, React, NumPy, Pandas  
**Additional:** Git, AWS, Azure, DevOps, Jenkins, Scrum, Maven, JIRA, Eclipse  
**Relevant Coursework:** Operating Systems, Artificial Intelligence, Design Patterns, Cloud Computing, Cybersecurity, Software Engineering

## PROJECTS

**Tree-walk Interpreter** June 2024 – September 2024

- Developed an interpreter for a language, implementing core features such as lexical analysis and syntax parsing.
- Integrated advanced programming concepts like control flow, functions, closures, and variable scoping using object-oriented design, ensuring accurate error handling throughout the interpretation process.

**Simulator for Out of Order Processor** September 2023 – December 2023

- Simulated an out-of-order execution processor, integrating advanced architecture like LS Queue and BTB.
- Optimized CPU usage, resulting in a 75% increase in instructions per cycle.

**Retail Business Management System** June 2023 – July 2023

- Designed and implemented a comprehensive retail database management system using Oracle and PL/SQL, capable of managing more than 100 datasets for inventory and sales tracking.
- Integrated complex queries to improve data reporting efficiency and functionality.