

# BHASKER MUDA

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Portfolio: <https://662af8fad077683f6f630fc7--bhaskermuda-portfolio.netlify.app/>

## EDUCATION

**The Rivier University at New Hampshire, Nashua, US**

**January 2024 – Present**

*Master of Science in Computer Science*

*GPA - 3.83*

*Courses – Networking Technologies, Object-Oriented Design, Computer Science Fundamentals,*

**Vidya Jyothi Institute of Technology, India**

**August 2016 – September 2020**

*Bachelor of Science in Computer Science*

*GPA - 3.8*

*Courses – Java Programming, C programming, Object-oriented Programming, Operating systems, Web Technologies, Computer Networks, Data Structures, Linux Programming*

## TECHNICAL SKILLS

**Languages:** Java, C/C++, Python, HTML, CSS, MySQL

**Technologies and Developer Tools:** Linux, Windows, Sql developer, Git, Jenkins, CI/CD, BMC Remedy

**Reporting and monitoring Tools:** Jasper, Tableau, rundeck

## EXPERIENCE

**CGI Information Systems and Management Consultants Pvt.Ltd**

**March 2021 – January 2024**

*IT Analyst - Software Engineer*

*Hyderabad, India*

- Working on developing the Global Wealth and Capital Markets project that assists Fund Accounting and portfolio managers to manage their investment in stock markets.
- Experience in tomcat API's, Listeners, Jenkins pipeline CI/CD deployments.
- Having hand on experience in admin activities for Tableau, Tableau reports, incident, problem ticket, change and service request, reporting tools for daily operations.
- Handling Client queries, Batch Job failures, delays and troubleshooting within defined SLA's.
- Having experience in Oracle SQL functions, DDL and DML statements
- Good knowledge using Jenkins and Remedy Tool.
- Having experience in deployments, patching activities and DR' s
- Knowledge of Object-Oriented Programming (OOPS) Concepts & various kinds of Databases like MySQL.
- Good knowledge of programming languages.
- Having knowledge in UNIX.

## PROJECTS

**Near Real-time Data Processing, Sentiment Classification on TextData / AWS, Python**

**Cloud Project**

- Built a serverless streaming service which redacts Personally Identifiable Information, finds the text sentiment and stores in s3 buckets.
- Utilized AWS Comprehend NLP service to implement the text processing modules reducing manual processing by 80%. Studied the performance of Amazon's streaming service Kinesis Data Streams for various configurations.

**Connect4 using AI / Python, PyGame, Visual Studio Code**

**Backend Project**

- Devised a Connect4 Game Variant in Python implementing MiniMax algorithm to get the optimum next move.
- Designed UI using PyGame. Employed alpha-beta pruning to increase the time-complexity by power of half.

**Fault-tolerant and Network Durability Analysis / Java**

**Backend Project**

- Developed an efficient K-core algorithm for 10 different k values to determine of the most interconnected sub graphs in complex networks, providing valuable insights into network durability and resilience.
- Also, implemented a robust network reliability analysis on 6 different topologies using exhaustive enumeration, examining the network's ability to sustain operation under varying probabilities of node failures.