

Meghana Madineni

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EDUCATION

UNIVERSITY OF FLORIDA

MS in COMPUTER SCIENCE

May 2018 | Gainesville, US

Cum. GPA: 3.66/4.0

VNR VJIT

BTECH in COMPUTER SCIENCE

Apr 2014 | Hyderabad, IN

Cum. GPA: 3.84 / 4.0

LINKS

Github://[meghanamadineni](https://github.com/meghanamadineni)

LinkedIn://[meghanamadineni](https://www.linkedin.com/in/meghanamadineni)

COURSEWORK

Programming Language Principles

Analysis of Algorithms

Advanced Data Structures

Distributed Systems

Computer Networks

Bioinformatics

Software Engineering

Operating Systems

Unix Tools and Scripting

SKILLS

PROGRAMMING

Java • Python • C++ • HTML • CSS

• C • JavaScript • Elixir • SQL • R

• Angular • Junit • Shell

PLATFORMS & OPERATING

SYSTEMS

Docker • Node.js • ANT • Heroku

• Windows • Linux • HP • AIX • Solaris

DATABASES

Oracle 12c • Oracle 11g • Oracle X

• MySQL • MongoDB • Sybase

REPOSITORIES

GIT • Harvest SCM

CERTIFICATIONS

• [R Programming - Coursera](#)

• [IBM DB2 Academic Associate](#)

• [MongoDB -Certified Developer](#)

[Associate Level](#)

CURRENT COURSES & PROJECTS

TWEETER | Distributed Systems | *Elixir, Phoenix Framework*

- Implemented Twitter Clone using Elixir (functionality) and Phoenix Framework (web socket) catering to a fully functional twitter like front-end, authentication enabled web application.
- Also tested the server capability using 500,000 clients on a 4-Core machine to get 100% utilization with continuous tweet/retweets/registrations etc.

TANDEM REPEATS RECOGNITION | Bioinformatics | *Java*

- Implemented Suffix Array Induced Sorting and Dynamic Programming methods to find tandem repeats.
- Successfully built and tested the performance and results of both the methods on data sets from protein data bank (PDB) in FASTA format.

PICO-MINI COMPILER | Programming Language Principles | *Java*

- Java Compiler for a language inspired by Pico. Pico-mini gives support to the transformation of images using pixel level commands.
- Implemented scanner, recursive descent parser for context-free LL (1) grammar and generated Java bytecode using ASM bytecode framework.

GATOR HOUSING – ONLINE MARKETPLACE | Software Engineering | *Angular2*

- Gator housing is an online marketplace enabling people to rent or lease apartments and e-mail the owners for any queries.
- Developed with Angular2 and has a high-speed search using Elastic search. Followed Agile methodology during development.

HASHTAG COUNTER | Advanced Data Structures | *Java*

- Implemented Twitter/Facebook hashtag counter which retrieves top n hashtags using Max Fibonacci heap to keep track of the frequencies of hashtags and a hash table with the hashtag as key and pointer to Fibonacci heap as value.

EXPERIENCE

CA TECHNOLOGIES | *SOFTWARE ENGINEER*

June 2014 – July 2016 | Hyderabad, India | *Java*

- Worked with the product development team of CA Workload Automation AutoSys.
- Built Rest API for AutoSys from scratch using Java and Eclipse Link which can connect with MS SQL, Oracle, and Sybase for data retrieval. Integrated new job types to AutoSys and given Single Sign-On Wallets with Certificates (Oracle) support to the product.
- Developed and integrated unit tests as part of daily builds. Automated test suites and upgrade tests.
- Delivered high-quality code to production with short development cycles (Agile) in Continuous Integration and Test-Driven Development environments.

AWARDS

2015

CA Technologies

Above and Beyond Award