GAUTHAM YERROJU

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EXPERIENCE
(4.5 YEARS)

GRADUATE TEACHING ASSISTANT (Aug 2017 – Present)

University of Nevada Reno, Nevada

- Graded programming assignments, home works and exams
- Conducted Q&A sessions for students twice a week

FULL STACK WEB DEVELOPER (Jan 2016 – Jul 2016)

CA Technologies, Hyderabad, India

- Designed and built a web application from ground up to publish quarterly surveys and aggregate results on a dashboard
- Used NodeJS, ExpressJS and MongoDB, with Active Directory for authentication and role management
- Learned all the required tools and implemented the application in five months, following best practices (mostly from the 12-factor app paradigm)

SENIOR AUTOMATION ENGINEER (Mar 2012 – Aug 2015)

FACTSET Research Systems, Hyderabad, India

- Worked on developing and maintaining a framework using IBM STAF and Python on which automated tests can be scheduled, their results stored and sent to test owners
- Integrated the framework with other internal tools using SOAP and REST APIs
- Worked on developing a web application to schedule tests and view results (PHP, MSSQL and jQuery)
- Was consistently rated '*Exceeds Expectations*' or '*Outstanding*' in every half-yearly review
- Was awarded the '*Star Performer*' award three times during career
- Interviewed and trained new hires for the team.

EDUCATION

MASTERS IN COMPUTER SCIENCE AND ENGINEERING (Aug 2016-Present)

University of Nevada Reno, Nevada

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING (Aug 2007-May 2011)

Jawaharlal Nehru Technological University, Hyderabad, India

SKILLS

- Quick to learn new tools and workflows
- Desire to use best practices (and read the manual), focus on UI and UX
- Git and Perforce workflows
- Object-oriented, callback and promise programming paradigms
- Full stack application development
- Data wrangling and visualization

ACADEMIC PROJECTS

- *Thesis* - Extreme-scale Big Data Storage Failure Analysis (Advisor: Dr. Feng Yan)
  Analyze disk failures in real-world big data storage systems and build a failure prediction algorithm
- *OpenGL Game:* Sky Roads like game with Bullet physics and a custom level loader (level generator: https://codepen.io/gyerroju/pen/LbBwyo) in a team of three
- *Android Application:* Implemented Google Places API, AOSP and Play Services location APIs with gracefully degrading location strategy
- *OpenCV:* Face counting in panning video using Haar cascades and frame stitching

PERSONAL PROJECTS

- Personal website http://gauthamyerroju.com/new-website
- CSS-only sliding menu 'Slidey' http://gauthamyerroju.com/Slidey
- Add-ons for RPG Maker XP https://github.com/GauthamYerroju/rpgmaker
- 'Ship Showdown' in Python https://github.com/GauthamYerroju/ship-showdown-pyglet
- 'Breakout' using Java Swing https://github.com/GauthamYerroju/breakout-game-java