lakshmi.nishthala@gmail.com

Lakshmi Maduri
Web Developer
lakshmi-portfolio

Seattle
WA

Experience

RubyThree, LLC	Junior Web/Mobile Developer	August 2018 - December 2018

- Worked on the project Carpoolers, an application built on Ruby on Rails. Developed several features including the real-time group chat feature using Pusher API and user notifications using Public Activity gem
- Developed the project Depo, an e-commerce website on Ruby on Rails and ReactJS

Viking Education Inc.,	Software Engineer Apprentice	September 2017 - February 2018

- Worked on the team project BACKPACK, a Full-Stack JavaScript web app with a Node JS backend and a React front-end, powered by MongoDB.
- Contributions to the app - 'Drag-and-Drop' feature that enables the users to drag and drop items between pouches, Chrome extension for the app, Live form-validations for the login and sign up forms.
- Built a RESTful API for HABITS, a productivity app using Node JS, Express JS, Passport Local strategy(for user authentication), MongoDB

Accenture Services Pvt. Ltd	Associate Software Engineer	August 2013 - October 2014

- Worked on SAP BI and Bex Reporting in a QA role
- **Formulated test plans**, **wrote test cases** to implement **unit testing**, **functional testing** and **performance testing** of the developed SAP BI solutions

Education

San Jose State University	Open University Student in Computer Science	Fall 2015 - Spring 2016 & Spring 2018 - Fall 2019

Coursework: Data Structures and Algorithms, Database System Principles, Cloud Technologies, Enterprise Distributed Systems
- *Concept based Semantic Search Engine:*
  - Developed the HTML parser to tokenize the webpage content and generate word frequencies using JavaCC and JSP
- *Student Volunteer(October 2016 - March 2017):*
  - Upgraded Prof. T. Y. Lin's website at San Jose State University(LAMP stack). Developed Python scripts(Selenium webdriver) to automate download of all his publications.
- *Document Correlator:*
  - Developed a program in Java to measure correlation between two documents using Data Structures learnt in the course

VIT University, Vellore, India	Master of Technology in Electronics Engineering	Spring 2013

Coursework: Scripting Languages and Verification using **Perl**
- *Accelerated 10/100 Ethernet Controller and FPGA Prototyping (thesis work at Research Center Imarat, DRDO, Hyd, India)*
  - Prototyped 10/100 Mbps Ethernet MAC that conforms to IEEE 802.3 ethernet protocol in both Full-duplex and Half-duplex modes on FPGA and developed Verilog HDL code for IP checksum calculation

Bachelor of Technology in Electronics & Instrumentation Engineering	JNTU, Hyderabad, India	Fall 2011

Coursework: Computer Organization, C Programming and Data Structures, Object Oriented Programming in Java

Technical Skills

Languages	**JavaScript, Ruby,** Java, Python, PHP, SQL
Web Technologies	**Node JS, React JS**, **Redux**, LAMP, jQuery, Twitter Bootstrap, HTML5, CSS, Less, Sass, Web sockets
Databases	**MongoDB, Postgres**, **Redis**, MySQL, Microsoft SQL Server **ORMs** - Sequelize, Mongoose
Tools/Other	**Git, Webpack, Selenium Webdriver**, **Linux**, ssh, Atom, Eclipse, Filezilla, Heroku
Testing Framework	Jasmine, Nightwatch
Cloud Technologies	Docker, Docker-compose, Kubernetes, AWS(EC2, S3, ELB, SG)