

Chandrasekhar Muthyala

Research Assistant - React, Express, ES6, Laravel, REST API, Old Dominion University

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(757)546-4188

Results-driven senior software engineer with 4 years of experience in development and a

PROGRAMMING SKILLS

year of Experience in leading a team of 6 developers to deliver incremental value on Languages/tools:

C, C++, java, Swift,

multiple projects via an Agile Development Methodology. Git, Perforce, S3, IAM, EC2, JIRA, Jenkins

Web technologies: Angular2+,

Work Experience

Research Assistant

React, Express, ES6, Laravel, REST API, Old Dominion University

August 2017 to Present

AJAX, HTML5, CSS3, Bootstrap,

- Developed machine learning models to profile the patients, detect anger emotion with an JavaScript, jQuery, JSON, Jasmin-Unit

accuracy of 0.821 and alert the caregivers immediately and also implemented an intervention testing, Test-driven development

method to sooth the agitated dementia patients by playing music. (TDD)

- Implemented an alert notification using NodeJS and socket.io. Data science: Python, keras, Full Stack Developer TensorFlow, Hadoop, Spark, Hive, Pig,

- Developed a RESTful API with Node and TypeScript using Test-driven development. Open Refine, Web Crawling, nltk, Scikit-

- Experienced in implementing Single sign-on login (Shibboleth). learn, pandas, Flask, Beautiful Soup

- Re-engineered the application and database schema for Learning Management System for Databases & servers: MySQL, ODU School of Nursing and now used by multiple organizations. SQLite, Firebase DB, Apache Cassandra,

- Assisted co-developers on support needs and provide guidance on architectural issues. MongoDB, Redshift, Oracle DB,

- Experienced in implementing modern features like Two Factor Authentication(2FA), user PostgreSQL, Nginx, Apache Tomcat, profile search, login with GitHub association, bot verification with reCAPTCHA

and Gravatar WAMP, XAMPP

image integration.

Education

Master's in computer science in computer science

Old Dominion University

May 2019

Links

<https://github.com/cmuth001>

<https://www.linkedin.com/in/cmuth001>