

AMRUTHA BHARGAVI RAJKUMAR

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SUMMARY

A Full Stack developer with 2.6 years experience in production grade software design, integration and testing. Knowledgeable in data structures and algorithms, java/spring framework, AWS/Linux environments, relational databases and front end tools(HTML/CSS/JavaScript). Extremely passionate about computer science, software engineering, architecting and designing scalable systems that achieve business goals.

EXPERIENCE

Teaching Assistant - Grader, The University of Texas at Dallas *Aug 2020 - Present*

- Assisted Prof. Klyne Smith with his subject CS1200 - Introduction to Computer Science and Software Engineering by grading assignments, tests, quizzes and also helping students with topics.

Student Assistant - CS Outreach Instructor, The University of Texas at Dallas *Jan 2020 - Aug 2020*

- Worked with the University's CS department by organizing after-school coding bootcamps for elementary and high school kids.
- Private tutored many school students on JS, Java, Python, web development etc.

Software Engineer, Verizon *Jun 2017 - Dec 2019*

- Full Stack Developer and worked with PEAN(PostgreSQL, Express, Angular, NodeJs, Redis) stack. Majorly responsible for converting legacy applications into open source apps.
- Area of expertise include design, development and integration of multi-tier web application components using PEAN/J2EE technologies.
- Worked on full life cycle development of applications using Java/J2EE technologies and frameworks like Spring MVC, Spring Batch, Spring Integration.
- Responsible for design and implementation of medium and complex development tasks that achieve business goals.
- Owner of modules driven through the entire SDLC.
- Mentored freshers as part of their bootcamp project.
- Gave POCs for technology that the team wanted to explore.
- Ensured that all items of delivery were certified by the testing team and deployed to production within the committed deadline.
- Experience working in agile development methodology and CICD.

PROJECTS

Video Chat Application

- Developed a video chat application that can support chat rooms, video chat using socket.io and WebRTC. The applications also makes sure that secure video chat connections are made.

URL Shortener

- Created a back end application using express server and MongoDB which will give a shortened version of any input URL and also tracks the number of clicks to the shrunk URL.

Breast Cancer Prediction

- Designed a neural network to predict breast cancer by running experiments on the Wisconsin Breast Cancer dataset. Trained two classifiers for this problem using Keras and Tensorflow, achieved an accuracy of 90%. Another classifier using Support Vector Machines using scikit-learn with an accuracy of 89% was designed

EDUCATION

Master of Science, Software Engineering *Jan 2020 - Present*

The University of Texas at Dallas

GPA: 3.6

Bachelor of Science, Computer Science

Jun 2013 - Mar 2017

St. Joseph's College of Engineering, Anna University

GPA: 8.1/10

SKILLS

Development Environments: Eclipse, VSCode, IntelliJ

Languages: Java, Javascript, Python, HTML5, CSS, SQL, PHP

Databases: MySQL, MongoDB, PostgreSQL

Frameworks & Tools: Angular, NodeJS, ReactJS, Spring Boot, Numpy, Pandas, Scikit Learning

CERTIFICATIONS

- AWS certified Cloud Practitioner - in depth knowledge about EC2, IAM, S3 and other computer and storage services
- EMC Academic Associate Cloud Infrastructure and Services
- Cambridge Assessment English B2 Business Vantage