

# AMRUTHA BHARGAVI RAJKUMAR

[amruthabhargavi95@gmail.com](mailto:amruthabhargavi95@gmail.com) | (469) 996-5257 | 4721 Christopher Court, Flower Mound, TX-75022 | [linkedin.com/in/amrutha-rajikumar/](https://www.linkedin.com/in/amrutha-rajikumar/) | [amrutha-bhargavi.github.io/personal-portfolio/](https://amrutha-bhargavi.github.io/personal-portfolio/)

## SUMMARY

---

A Full Stack developer with 3 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, Node.js, 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: 3.7/4**

## 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, Agile

## CERTIFICATIONS & HACKATHONS

---

- 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
- Won the Major League Hackathon challenge at WeHack-UTD, an all women, non binary, 24 hour hackathon.