

URJA PAREKH

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EDUCATION

- University of California - Riverside, CA (U.S.A)** March 2021
Master of Science – Computer Science
Coursework: Unix System administration, NLP, Advanced Operating System, Database Management Systems, Information Retrieval, Design and analysis of Algorithms, Big Data Management, Artificial Intelligence, and Data Mining.
- Gujarat Technological University -Gujarat, (India).** June 2019
Bachelor of Engineering - Computer Science Engineering
Coursework: Cloud Infrastructure and services, Database Management Systems, Data Structure, Operating System, Computer Networks, System Designing, Advanced Java, Theory of Computation, Compiler Design.

SKILLS

- **Programming Languages:** Java, C++, Python, and JavaScript
- **Web Development:** HTML5, CSS3, ReactJS, JSON, and jQuery.
- **Databases:** MySQL, and MongoDB.
- **Cloud** – AWS lambda, EC2, CloudWatch, CloudTrail, SNS, SageMaker, Kinesis streams, S3, and GCP.
- **Tools, IDE, Frameworks:** Qt, Git, Spring, REST/SOAP Web Services.
- **DevOps tools** – Jenkins, Nginx, GitHub, Docker, and Amazon ECS.

WORK EXPERIENCE

- University of California - Riverside, CA - Software Development Engineer** Jan 2020 - Jan 2021
- Designed a fully functional DNA computational software for NCBI and NIH platforms based on sequence-selective PCR design and Implemented DNA amplification processing by designing algorithms and programming in C++ and Qt.
 - Continuously worked on the software optimizations which exceeded the expectations of NIH-NCBI researchers in terms of execution speed increment, accuracy, and minimal data loss with other myriad functionalities.
- Yatradham.org - Software Developer Intern** Sept 2015 - Oct 2016
- Coordinated with the end-users to gather the pre-requisites to build the customized platform for the company and coded as a full-stack developer for the project, that brought about 24% annual profit in the growth of the company.
 - Assessed systematic problems with relevant code specifications, debugged and redesigned to reach the optimal needs.

CAPSTONE PROJECTS

- DashBill.co** - [Java | Spring Boot | AWS | React.JS | REST | MySQL]
- Worked on developing a web application for student organizations to manage their membership and finances along with the integration of payment gateway and interactive Dashboards.
 - Used AWS EC2, ECS, and Nginx for Server hosting and deployment.
- Hate Tweet Recognition** - [Amazon Kinesis Streams | S3 | AWS Lambda]
- Developed a Hate speech recognition app on Twitter streaming data with Amazon Kinesis Streams, S3, and AWS Lambda to train and run a machine learning model.
 - Evaluated cloud serverless capabilities for concurrent requests and load handling of AWS lambda and OpenStack VM.
- SafeTrade** - [D3.js | React.JS]
- Developed a stock analysis web application in React.JS with an interactive dashboard that includes bar graphs, line graphs and candle stick charts using D3.js.
- Tweet Search Engine** - [Java | Python | Django | Django REST Framework | React.JS | Docker]
- Implemented the Indexing system, Database system and front-web system with MapReduce of Hadoop and Lucene.
 - Performed the document ranking algorithm-BM25 and built the web system using Java, Python, Django, Django REST Framework, ReactJS and Heroku.
- Quinder** – [JavaScript | React.JS | HTML | CSS]
- A Queer Tinder built as an interactive social platform for the LGBTQ community to provide an easiest and most amicable way to connect with each other across all universities, cultures and nations.

CERTIFICATION

- AWS Certified Solutions Architect- Associate Jan 2021