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SUMMARY

- Meticulous Full-Stack developer who likes to build complex production-ready applications, which are covered with end-to-end tests to make sure they are stable and can be scaled easily overtime.
- Operates in a fast-paced environment with a strong sense of urgency.
- Applies a strong thought process to plan and accomplish tasks.
- Core competencies include: Full-Stack Development • Cloud Services • Problem Solving • Project Management • User Analysis • Client relations • Strong Written and Verbal Skills • Time Management

TECHNICAL SKILLS

- Full Stack Development, System Design, Infrastructure management, and DevOps
- Implementing various algorithms like supervised & unsupervised learning and techniques like linear & logistic regression, clustering, decision trees, etc. to make sense of data
- **Languages:** Java, Javascript, Python, C++, C
- **Tools and Frameworks:** ReactJS, Gatsby, Spring, Cypress, Django, NodeJS, Serverless, GraphQL, AWS EC2, AWS SQS, AWS Lambda, AWS RDS, AWS ElastiCache, AWS SES, Docker, Pandas, NumPy, Matplotlib, Seaborn, Sci-kit learn, CI/CD servers, SQL, MySQL, PostgreSQL, MongoDB, DynamoDB, Git.

WORK EXPERIENCE

Full-Stack Developer <i>[ReactJS, Gatsby, Java, AWS]</i>	Quze Inc.	May 2018 - Present
<ul style="list-style-type: none">• Core technical team member focusing on building production-ready applications and deploying them on AWS.• Implemented REST APIs deployed on AWS API gateway using AWS lambda for serverless setup.• Collecting user activity data, analyzing user events and generating reports to understand user behavior.• Developed and implemented marketing page and currently assisting front-end team with the main product.• Lead the product development team to build out an LMS for a client according to specifications.		
Student Developer <i>[ReactJS, Node.js, Python, ccNetViz, Docker, Cypress]</i>	Google Summer of Code	May 2019 - August 2019 (Project Link)
<ul style="list-style-type: none">• Developing a web-based solution to simulate and analyze constraint-based methods for metabolic networks under the University of Nebraska-Lincoln.• The goal of this project was to create a stand-alone web pipeline/service that enables a user to submit an SBML model and perform simulations and analysis and displays analysis graph accordingly.• Defined and implemented a complex database schema for a Constrained-Based Model that can be tabulated within a PostgreSQL Database. The schema was easily JSON serializable so that it was exposed via a REST API.• Learned to develop and deploy the application using Docker to the production environment. Also learned to write end-to-end unit tests using cypress which covered the majority of the application.		
Web Developer cum Tech Lead <i>[HTML, CSS]</i>	Ahmedabad University	October 2018 – December 2019
<ul style="list-style-type: none">• Designed, developed and deployed the Annual Tech Fest website for School of engineering and applied Science, Ahmedabad University. More than 3000 students participated in various competitions.• Technical team leader to design and develop the website for The Seventh International Conference on Big Data Analytics, where Springer will be publishing the accepted research papers. (Project Link)		

EDUCATION

Ahmedabad University

School of Engineering and Applied Science

July 2017 – June 2021

- B.Tech in Information and Communication Technology
- Current CGPA: 2.82/4.0
- Coursework: Probabilistic Graphical Models; Operating Systems; Database Management Systems; Data Structure and Algorithms; Programming Languages; Computer Architecture; Calculus; Discrete mathematics; Linear Algebra.

TECHNICAL EXPERIENCE

Projects

- **Portfolio Website** - Personal Project: ([Link](#)) *(ReactJS, Gatsby, GraphQL, Google Analytics)*
 - Designed and developed a personal website to write blogs using Gatsby.
 - Used GraphQL to fetch data for blogs, custom markup highlighting styles, implemented dark theme mode and deployed using Github pages.
 - Implemented Google Analytics to track user activity and statistics.
- **Multi-Threading CPU** - Data Structure and Algorithms *(Java)*
 - Developed a Java application that could replicate the multi-threading process based on users will, add them to preference queues or shift them back.
- **Auto-Tagging Script for Scrapped Courses** - Personal Project *(Python, BeautifulSoup, Selenium)*
 - Developed a script that scrapped courses from online providers, stored it in a database.
 - Created a script using NLP to determine specific keywords and add them as tags or categories in the database.
- **Predicting Credit Card Approvals** - Personal Project *(Python, Pandas, Sci-kit learn)*
 - Used Credit Card Approval Dataset from UCI Machine Learning Repository and cleaned it with the help of the pandas library.
 - Used the Logistic regression model from Sci-kit learn library to fit the dataset and used grid search to make the model perform better.
- **Trip Management System** - Database Management System *(MySQL, PHP, HTML)*
 - Created a full-fledged database system using MySQL and connected it with the frontend via PHP.
 - Users can book tickets, reserve hotels, and go sightseeing.
- **Microlearning Platform** - Client Project *(ReactJS, Node.js, AWS)*
 - Built a learning management system using ReactJS and NodeJS RESTful backend and deployed using AWS.
 - Implemented roles-based authorization for students, instructors, and admins.
 - Allows creation, assigning and taking on of learning modules. Included automatic evaluations and social elements. Implemented messaging and notification systems as well.
- **Modeled spreading of Dengue Virus** - Probability and Random Processes *(Matlab)*
 - Using past data present, we divided the city into various square grids, described 13 different types of stages for the mosquitos and defined various other responsible factors.
 - Stimulated the results in MATLAB and generated the graphs regarding its spread in the city. The project was displayed during the annual project presentation.

ADDITIONAL EXPERIENCE AND AWARDS

- **Scholarship from Linux Foundation:** Received 100% Scholarship to attend Open Source Summit at San Diego, USA pertaining to the open-source contribution made.
- **Received Govt funding in startup summit:** Secured a top 10 spot in Sayaji startup summit held in May, 2018. Became eligible for funding under the startup India scheme.