

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; Applies a **strong thought** process to plan and accomplish tasks.
- **Core competencies:** Full-Stack Development, Cloud Services, Problem Solving, Project Management.

TECHNICAL SKILLS

- **Languages:** C, C++, Java, Javascript, Python, SQL, HTML, CSS.
- **Tools and Frameworks:** ReactJS, Gatsby, Cypress, NodeJS, Serverless, GraphQL, AWS Suite, MySQL, etc.

WORK EXPERIENCE

Full-Stack Developer **Quze Inc.** **May 2018 – Present**

[ReactJS, Gatsby, Java, AWS]

- 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.
- Incharge of capturing user activity data, analyzing events and generating reports to understand user behavior.
- Developed an API generator tool in JAVA that reduced the time of building APIs by at least 40%.
- Lead the product development team to build an LMS for a client according to specifications.

Student Developer **Google Summer of Code** **May 2019 – August 2019**

[ReactJS, Node.js, Python,
PostgreSQL, Docker, Cypress]

([Project Link](#))

- 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 an 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.
- Dockerized the entire application for the dev and production environment.

Web Developer cum Tech Lead **Ahmedabad University** **October 2018 – December 2019**

[HTML, CSS]

- 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 **Information and Communication Technology** **July 2017 – June 2021**

- **Coursework:** Operating Systems; Database Management Systems; Data Structure and Algorithms.

ADDITIONAL PROJECTS

Portfolio Website [[amandave.dev](#)] ([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, dark theme, and analytics.

Scratch Notes [[Scratch-Notes-App](#)] ([ReactJS](#), [Node.js](#), [AWS](#), [Serverless](#))

- A simple note-taking application. The front-end is built using ReactJS and deployed using Netlify CI/CD.
- The back-end is built in Node.js with the help of the Serverless framework and deployed on AWS.
- Implemented CRUD APIs, with CI/CD pipeline and two different environments[dev & prod]

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.

ADDITIONAL EXPERIENCE AND AWARDS

- **IEEE Xtreme 2017:** National Rank 124, a 24-hour coding competition.