

# Sameer S Deshpande

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## EDUCATION

<b>Northeastern University, Boston, MA,</b> Master of Science in Information Systems Related Courses: Application development using JAVA; Web development using HTML, CSS, ReactJS; Database Management and Architecture; Cloud Computing, Data Structures and Algorithms;	Expected May 2025 GPA: 3.8/4
<b>KLE Technological University, Hubballi, KA,</b> Bachelor in Electronics and Communications Engineering	May 2021 GPA: 8.78/10

## SKILLS

<b>Programming Languages</b>	C, C++, Java, Python, HTML, CSS, SASS, JavaScript, Node.js, Express.js, React.js, TypeScript, Redux.js, React Native, XML, Webpack, Tailwind CSS
<b>Cloud Services</b>	AWS CloudFormation, AWS Control Tower, AWS VPC, Terraform, IaC[infrastructure as code], Networking, TCP/IP, Azure, GCP, AWS (EC2, S3, SQS, SNS, Lambdas, Kubernetes), identity management, access control, auditing, penetration
<b>Database</b>	Mysql, PostgreSQL, Mongo, Database systems, Distributed systems, RDBMS, Oracle, Redis
<b>DevOps</b>	Kubernetes, Docker, Terraform, Cloudformation
<b>Operating system</b>	Windows, Linux, MacOS
<b>Version tools</b>	Git, Bitbucket

## TECHNICAL EXPERIENCE

<b>Amazon</b> <i>Amazon Web Services Cloud Engineer</i>	<b>Hyderabad, IN</b> Jul 2022 — Jul 2023
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- Implemented **Docker containers** for application deployment, enhancing scalability and facilitating seamless transitions between development, testing, and production environments.
- Applied DevOps practices to enhance collaboration between development and operations teams, **fostering CI/CD Pipelines**.
- Successfully achieved the AWS Certified **Solutions Architect - Associate certification**, demonstrating expertise in designing distributed systems on the AWS platform.

<b>Arisglobal software</b> <i>Associate Software Developer</i>	<b>Mysore, IN</b> Nov 2021 — Jun 2022
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- Optimized Spring MVC-based REST API by reducing database calls and modifying Metadata stored procedure by using bulk operations by reducing overall time from 20 minutes down to 10-15 seconds.
- Implemented **real-time notification features** in LS-RIMS software, resulting in a 20% improvement in user engagement and timely communication of critical information on the web application software.
- Utilized **JUnit testing methodologies** to enhance code coverage, reaching an exceptional 95% while unit testing
- Tools and Technologies used: Java programming, JavaScript, Object-Oriented Programming, Data Structures and Algorithms, Spring boot, Maven, Apache Tomcat, eclipse, PostgreSQL, Junit Testing, CI/CD Pipelines, Git, Bitbucket, Software bugs fixing.

<b>Habot.io</b> <i>Junior Software Developer</i>	<b>Remote, Dubai</b> Jan 2021 — Nov 2021
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- Architected and implemented** a responsive, high-performance website from scratch using HTML/CSS for front-end presentation, JavaScript for interactivity, and Python with Django framework for back-end logic.
- Designed and implemented robust **user authentication** system utilizing one-time password (OTP) verification for enhanced security and user verification, integrating technologies such as Twilio for SMS delivery or **email-based OTP delivery**.
- Worked in an agile environment with daily stand-ups, backlog grooming within two-week sprints.
- Organized peer code reviews, diagnosed bugs, assisted in fixes and feature enhancements.

## PROJECTS

### Self-localisation of an autonomous vehicle using particle filter algorithm

- Implemented efficient memory management, **reducing memory-related errors** and achieving a 17% improvement in overall algorithm performance.
- Optimized data structures and **implemented parallelization techniques**, resulting in a 30% increase in computational efficiency without sacrificing accuracy..
- Technologies: Python, Data Structures and Algorithms, Memory management, Microcontrollers, Linux

### TalentHive - MERN Fullstack Application

- Innovated a talent acquisition platform applying **TypeScript, Node.js, HTML, and SCSS**, featuring CRUD functionality, JWT token integration, multilingual support (French), Real-time Chatting and RESTAPI built with Express.js and MongoDB
- Integrated **React.js** for a responsive UI and used **Redis** for optimized data retrieval through caching
- Technologies: ReactJS, Redux JS, HTML, CSS, Sass, MongoDB, TypeScript, JavaScript, RESTApi, Node.js, Express.js