

SANJAY BASKARAN

Portfolio: [sanjay-baskaran.vercel.app](#)
Github: [github.com/SanjayB-28](#)

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EDUCATION

- University of Colorado Boulder** Colorado, U.S.A
 - Master of Science in Computer Science (CGPA: 4.0/4.0) Aug 2024 - Present
- Vellore Institute of Technology (VIT), Vellore** Tamil Nadu, India
 - Bachelor of Technology in Information Technology (CGPA: 8.66/10) Jul 2018 - May 2022

SKILLS SUMMARY

- Languages:** Java, JavaScript, TypeScript, HTML, CSS, HTL, SQL, NoSQL, Python
- Frameworks / Libraries:** React.js, Next.js, Express.js, Tailwind CSS, Bootstrap, JUnit5, Mockito
- Tools:** Git, Docker, Kubernetes, Terraform, Maven, Linux, Jira, REST APIs, MongoDB, PostgreSQL, AWS, Azure
- Skills:** Full-stack development, DevOps, CI/CD pipelines, Unit testing, Microservices, Agile (SCRUM/Kanban), AEM

EXPERIENCE

Adobe - Associate Technical Consultant Jul 2022 - Jun 2024
Bangalore, India

- Built and optimized:** full-stack web applications using Java, microservices, and Adobe Experience Manager (AEM), increasing user engagement by 15% and cutting page load times by 45% through performance tuning and cohesive architectural design.
- Developed:** 50+ reusable AEM components leveraging modern templating engines (Sightly/HTL) and frameworks, ensuring scalable, maintainable codebases and decreasing development effort across multiple projects.
- Integrated:** Adobe Analytics, Adobe Target, and commerce platforms to automate cross-channel workflows, reducing manual interventions by 80% and providing data-driven insights through reporting tools.
- Implemented:** containerized microservices with automated CI/CD pipelines, applying cloud-native best practices for robust, scalable infrastructure - reducing deployment times by 35% and simplifying AEM-based solution migrations.

Tata Consultancy Services - Project Intern Feb 2022 - Jun 2022
Bangalore, India

- Developed:** a Real Estate Management System POC with Java and Spring Boot for property listings/search, streamlining user experience via RESTful APIs and an optimized database schema.
- Strengthened:** security by implementing OAuth 2.0 and JWT, reducing authentication errors by 40% and enhancing data protection through regular audits, while introducing robust logging for faster issue resolution.
- Integrated:** Azure Blob Storage to manage property images/documents, improving data retrieval speed by 25% and simplifying media uploads for end users.

Edulyt India - Data Analyst Intern Jun 2020 - Jul 2020
New Delhi, India

- Created:** Python scripts (Pandas, NumPy) to preprocess 50,000+ student records, reducing data inconsistencies by 18% and standardizing datasets for advanced analytics.
- Designed:** interactive Tableau dashboards to visualize key metrics like attendance and exam scores, enhancing data accessibility and enabling more informed decision-making for educators and administrators.

PROJECTS

- SubTrack:** Developed a scalable full-stack platform (React.js, Node.js, Plaid API) for subscription detection, real-time transaction tracking, and automated email alerts, delivered via a responsive Material-UI interface.
- Demucs Audio Separator:** Engineered a distributed audio separation service using Demucs, deployed on GCP with Kubernetes orchestrating multiple Dockerized worker nodes. Integrated Redis for robust job queue management and MinIO for scalable object storage, resulting in efficient, high-throughput processing of audio tracks.
- MoodTunes:** Built a dynamic music player using React, Node.js, and TensorFlow.js that leverages sentiment analysis to curate personalized playlists. Integrated with the Spotify API for real-time recommendations, delivering an engaging and adaptive user experience.

CERTIFICATIONS

- Azure Fundamentals:** Microsoft Certified
- Adobe Experience Manager Sites for Developers - Professional:** Adobe Certified
- Security Analyst (SSC/Q0901) NSQF Level 7:** National Association of Software and Service Companies (NASSCOM)