

Sanjay Baskaran

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EDUCATION

Master of Science, Computer Science

Aug 2024 – May 2026

University of Colorado Boulder, CO, U.S.A.

4.0 GPA

Relevant coursework: Datacenter Scale Computing, Database Systems, Big Data Architecture, Cybersecurity

Bachelor of Technology, Information Technology

Jul 2018 – May 2022

Vellore Institute of Technology (VIT), Vellore, TN, India

8.66 GPA

Relevant coursework: Data Structures and Algorithms, Machine Learning, Operating Systems, Computer Networks

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, HTML5, CSS, HTL, SQL, Python

Frameworks & Libraries: React.js, Node.js, Express.js, Tailwind CSS, JUnit5, WebRTC

Cloud & DevOps: AWS, Azure, Docker, Kubernetes, Terraform, CI/CD Pipelines, Git

Tools & Platforms: AEM, Prisma, Jira, REST APIs, Redis, Linux, gRPC, Kafka, PostgreSQL, MongoDB, Snowflake

PROFESSIONAL EXPERIENCE

Adobe, Bangalore: Associate Technical Consultant

Jul 2022 – Jun 2024

- Built and optimized full-stack web applications with Java, microservices, and Adobe Experience Manager (AEM), increasing user engagement by 15% and reducing page load times by 45%.
- Developed 50+ reusable AEM components using modern templating engines (Sightly/HTL), ensuring scalable, maintainable codebases and cutting development effort by 50%, saving clients \$50K across multiple projects.
- Integrated Adobe Analytics, Adobe Target, and commerce platforms to automate cross-channel workflows, reducing manual interventions by 80% and enabling data-driven insights.
- Implemented containerized microservices with automated CI/CD pipelines, applying cloud-native best practices for scalable infrastructure and shortening deployment times by 35%, simplifying AEM-based solution migrations.

Tata Consultancy Services, Bangalore: Project Intern

Feb 2022 – Jun 2022

- Developed a Real Estate Aggregation System POC with Java and Spring Boot for property listings/search, enhancing UX by cutting search latency by 40% through optimized RESTful APIs and an efficient 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, New Delhi: Data Analyst Intern

Jun 2020 – Jul 2020

- Created Python scripts (using Pandas, NumPy) to preprocess 50,000+ student records, reducing data inconsistencies by 18% and standardizing datasets for advanced analytics.
- Designed interactive Tableau dashboards to track key metrics like attendance and exam scores, improving data accessibility and enabling 30% faster decision-making for educators and administrators.

PROJECTS

Vital Farms

Feb 2025 – Present

- Developed a predictive model for egg production in Microsoft Fabric, leveraging T-SQL for data extraction, exploratory data analysis for feature engineering, and machine learning pipelines for farm-level yield forecasting.

Demucs Audio Separator

Aug 2024 – Nov 2024

- Engineered a Demucs-powered audio separation service on GCP using Kubernetes-orchestrated Docker containers. Integrated Redis for distributed job queues and MinIO for S3-compatible storage.

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