

Sannidhi Shetty

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EDUCATION

Concordia University

Masters of Science, Applied Computer Science.

Montreal, Canada

Sept 2023 – April 2025

SIES Graduate School of Technology

Bachelor of Engineering, Computer Engineering

Mumbai, India

Feb. 2016 – Oct 2020

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java 8+, Python, SQL, Shell Script

Frontend: React.js, Angular, Vue.js, HTML5, CSS3

Backend & APIs: Node.js, Express.js, Spring Boot, FastAPI, RESTful APIs, GraphQL, Swagger

Tools & Platforms: Git, GitLab, Jenkins, VS Code, IntelliJ, Redis, Eclipse, Jira, Docker, Kubernetes, Watchdog

Databases: PostgreSQL, MongoDB, MySQL

Cloud & DevOps & BigData: Amazon Web Services(AWS), Microsoft Azure, Apache Kafka, CI/CD, Agile, DevOps practices

Certifications: Microsoft Certified: Azure Fundamentals

EXPERIENCE

Software Developer

May 2025 – Present

Kampus Media

Montreal, Canada

- Working as a **Full Stack Developer**, building and maintaining an end-to-end audiobook pipeline with backend services in **Java**, **Spring Boot**, **Node.js** and frontend interfaces in **Angular**, ensuring high availability and seamless performance.
- Architecting scalable cloud infrastructure on **AWS (Lambda, S3, API Gateway, DynamoDB)** to support high-performance **RESTful APIs** and enable seamless migration of 1000+ workloads monthly.
- Implementing telemetry and monitoring with **Grafana**, employing performance optimization techniques to ensure resiliency, support troubleshooting of legacy code, and maintain operating efficiency of large-scale systems.
- Containerizing applications using **Docker** and deploying them on **AWS ECS**, implementing automated **CI/CD pipelines** with **GitHub** to ensure scalable, secure, and reliable releases in Agile environments.
- Integrating **AI models** through their APIs to enable efficient text extraction and chapter detection, ensuring higher quality and accuracy in audiobook generation.

Backend Developer

Mar 2022 – Aug 2023

Deloitte

Bangalore, India

- Developed and enhanced enterprise web applications in E-commerce, fintech, and healthcare using **Java 8**, **Spring Boot**, **HTML**, **CSS**, and **JavaScript**, applying **Agile methodologies** for rapid and improved customer experience.
- Built and tested **RESTful APIs** using **Spring Boot** within a **microservices architecture**, integrating with **MySQL** and ensuring 95% code coverage through comprehensive unit testing, optimization, and debugging.
- Migrated backend services to the **AWS** cloud, improving scalability, security, and integration across enterprise systems through optimized cloud-native architecture.
- Designed and deployed **microservices** on **Kubernetes**, enabling a modular architecture with efficient orchestration, high scalability, and improved fault isolation for business-critical systems.

Software Engineer

Aug 2020 – Feb 2022

Newgen Software

Mumbai, India

- Revamped the **bank account opening platform** for a multinational bank using **React.js**, **TypeScript**, and **Java**, enhancing UI responsiveness and backend integration, and implemented **GraphQL** to improve data retrieval efficiency.
- Developed a **Kafka** and **MQ**-based real-time data pipeline to enable reliable communication between core banking services, and streamlined migration and deployments through **CI/CD automation** on **Jenkins**, reducing release time by 40%.
- Optimized and maintained **PostgreSQL databases** by designing efficient schemas, tuning queries, and improving indexing strategies, resulting in faster transaction processing and overall system performance.

PROJECTS

Kroger E-Commerce System | *Core Java, SpringBoot, Javascript, MySQL, Dynatrace, Elasticsearch*

- Developed real-time inventory management and cart pickup services using Spring Boot, ensuring accurate stock synchronization and seamless POS transactions across multiple US locations.

Book Recommendation System | *Python, Django, Flask, MongoDB, AWS services, Docker*

- Built a book recommendation system using content-based filtering with Django, Flask, and MongoDB.
- The system is dockerized and hosted on AWS for scalability and distributed deployment, utilizing **AWS S3**, **ECS**, **ECR**, and **EC2** services.

Sign Language Gesture Recognition System | *Python, PyTorch, TensorFlow, OpenCV, Scikit-learn*

- Developed an **AI-powered** real-time sign language recognition system using CNNs (LeNet, VGG, ResNet) with transfer learning and hyperparameter tuning.
- VGG-11 (TL) achieved the highest accuracy, while ResNet-18 excelled on the Hand Gesture dataset with 99% accuracy.