SANJANA POOJARY

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Available: From Jan 2026 for SDE roles

EDUCATION

Northeastern University, Boston, MA	**Sep 2023 – Dec 2025**
Khoury College of Computer Sciences	GPA: 3.905/4.0

Master of Science in Computer Science

Related coursework: Programming Design Paradigms, Advanced Cloud Computing, Algorithms, DBMS

Manipal Institute of Technology, Manipal, India	**Jul 2017 – Jul 2019**
Master of Computer Applications	CGPA: 9.2/10.0(1st rank)

Related coursework: Advanced Data Structures, Software Engineering, Web

Mangalore University, Udupi, India	**Jul 2014 – Jun 2017**
Bachelor of Computer Applications	Percentage: 94/100

Related coursework: Java Programming, Distributed Computing

TECHNICAL KNOWLEDGE

Programming Languages: Java, TypeScript, C, C++, C Sharp, ASP.NET, JavaScript, Python, HTML/CSS
Web Technologies/Frameworks: ReactJS, Angular, Java, Spring Boot, NodeJS, ExpressJS, REST APIs, HTTPS
Databases/Tools: ElasticSearch, Kibana, Yugabyte, PostgreSQL, SQL, NoSQL, MongoDB, Swagger, Linux, AWS, GCP, Azure, CI/CD, Helm, ArgoCD, Kubernetes, Docker, Git, NATS, SonarQube, Jest

WORK EXPERIENCE

Philips, Cambridge, USA **Jan 2025 – Dec 2025**

Software Engineer CO OP | Tech Stack: C Sharp, .NET, React, GraphQL, Kubernetes, AWS, NATS, Yugabyte
- Built a lightweight ingestion microservice to replace NiFi, enabling real-time patient data flow from NATS JetStream to cloud-hosted YugabyteDB, reducing infra cost and scaling to support **1500** beds with just 1–2 pods.
- Developed and tested a **React-based alarm panel** using graphQL for visualizing patient data; simulated high-load conditions using 30 cloned bed simulators to validate performance under full-scale hospital scenarios.
- Designed and implemented an **event bridge service** to stream patient events using **gRPC** from on-premise software to an EKS service, enabling real-time data simulation and visualization in a React-based application.

Deloitte, Bangalore, India **Aug 2019 – Aug 2023**

App Team Lead and Software Engineer 2 | Tech Stack: ReactJS, Angular, NodeJS, AWS, Elasticsearch   **Jul 2022 – Aug 2023**
- Led the design and development of the RegExplorer product leveraging microservices, managed a team of 5 engineers and delivered the product **2 months** ahead of time, resulting in securing a contract worth **$5M.**
- Spearheaded & mentored a high-performing application team, orchestrating specialized training sessions helping **80%** new hires.

Software Engineer 1 | Tech Stack: Angular, NodeJS, Java, CIAM, AzureAD   **Jun 2021 – Jul 2022**
- Boosted the performance of the application by migrating and optimizing the queries from PostgreSQL to Elasticsearch, which resulted in **70**% decrease in query execution time.
- **Led the first-of-its-kind migration** from Keycloak to Azure AD, pioneering **CIAM** for enhanced user authentication.

Associate Engineer | Tech Stack: CI/CD, NodeJS   **Aug 2019 – Jun 2021**
- Collaborated with the DevOps team and implemented automated app deployments through **CI/CD** pipelines, resulting in a reduction of manual tasks and streamlining developer workflows by **60**%.
- Executed the migration from **Django to NodeJS**, ensuring a smooth transition, optimizing performance, and crafting code that adheres to engineering standards..

First American India, Bangalore, India **Jan 2019 – April 2019**

Software Engineer Intern | Tech Stack: Angular, Azure, .NET, LUIS
- Engineered and deployed a sophisticated chatbot using Angular 8 and Microsoft Azure for Natural Language Processing (NLP), used by **98%** of the internal engineering team.
- Led the migration of the chatbot server from .NET Framework 4.7 to .NET Core 2.2, leveraging cutting-edge technologies to enhance server efficiency and reduce latency by **50**%.

PROJECTS

Dhvani Web Application | *Angular, NodeJS, GCP, Heroku* **Apr 2025 - Sept 2025**
- Modernized and relaunched a production-grade full stack app for speech therapy education; refactored legacy Angular 8 to Angular 16 and migrated backend Node API to Express 4 on modern hosting.

Gym Management System | *Angular, NodeJS, SQL* **Sep 2024 - Dec 2024**
- **Team Work and Commitment:** Led the implementation of a Gym Management System with a focus on user-centric flow.
- Prioritized features across Membership Management, Class Scheduling, and Equipment Maintenance.

INTERESTS/ACTIVITIES

- **Honored with 'Best outgoing student', 'Gold Medalist' and 'Branch Topper'**: Ranked 1st with a 9.2 GPA in MCA
- **Awarded with 'Outstanding Award', 'Applause Award' and 'Spot Award'**: Single-handedly led the team in the absence of the team lead, organizing 100+ events and delivering multiple releases earning recognition from clients and stakeholders.
- **Awarded with 'GPS Assets Hero'**: Recognized globally by Deloitte leadership among 10 others for outstanding contributions.
- **Honored on wall of fame**: Honored on the Wall of Fame at Deloitte for being a standout female professional within the firm.