

Sayali Tandel

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TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, SQL(Postgres), HTML/CSS

Technologies/Frameworks: React, Next.js, Node.js, Express.js, Redux, Jest, SASS, Tailwind CSS, Flask

Developer Tools: Git, GitLab, VS Code, Docker, Postman, AWS (Lambda, EC2, S3, DynamoDB, CloudWatch), Firebase, Jenkins, JIRA

Machine Learning: Scikit-learn, NLP, LLMs, RAG, LangChain, Pytorch, Tensorflow, Keras

WORK EXPERIENCE

Software Development Engineer

July 2024 – Current

Jersey City, NJ

OpelSoft LLC

- Built scalable REST and **GraphQL** APIs using Python and Node.js to support AI-driven features across the platform.
- Integrated LLM-based workflows using **RAG**, LangChain, embeddings, and vector databases for context-aware content generation.
- Worked on microservice-based components and automated deployments using **Docker** and AWS Lambda, improving system reliability.
- Collaborated in **Agile** teams, conducted code reviews, and optimized performance for high-traffic production workloads.

Web Developer

Jan 2024 – March 2024

New York City, NY

Bright Mind Enrichment & Schooling Org.

- Designed and optimized frontend pages using **React**, JavaScript, HTML/CSS, improving website performance by 24%.
- Automated **UI testing** using Selenium and enhanced cross-browser functionality for mobile and desktop users.
- Improved site engagement and donor conversion, contributing to \$4,000+ additional donations.

Software Engineer

June 2022 – Nov 2023

Stamford, CT

JobTarget LLC

- Developed reusable React and **Next.js** components, improving frontend consistency and reducing UI defects.
- Implemented Jest unit tests and integrated CI/CD pipelines using GitLab, increasing code coverage from 15% to 85%.
- Automated API validation using Python and **AWS Lambda**, reducing job-posting processing time by 30%.

Associate Software Engineer

Sep 2019 – March 2021

Mumbai, India

Fyntune Solutions Pvt. Ltd. (Fintech)

- Developed and maintained PHP/**Laravel** applications with MySQL, improving system scalability by 45%.
- Built secure RESTful APIs using Node.js and implemented authentication with **OAuth** and **JWT**.
- Coordinated requirements, tracked progress in JIRA, and supported successful client integrations.

ADDITIONAL EXPERIENCE

Seidenberg School of CSIS, New York | Adjunct Lecturer

Sep 2023 – May 2024

- Served as a Lecturer for Data Science, with focus on scalable databases, GraphQL, and Big Data (Hadoop, MapReduce).

Pace's College of Health Professions, New York | Analyst (Research Assistant)

Feb 2022 – June 2022

- Extracted, transformed, and analyzed 300+ healthcare datasets for scholarly research using Python.

A Survey on Text Mining Techniques | Publication- 5th IEEE ICACCS

March 2019

- Published a research paper on EDA and text mining techniques at IEEE ICACCS 2019.

PROJECTS

Flaunt Website | React, TypeScript, Java, Spring Boot

- Built a full-stack e-commerce platform with REST APIs and database integration, improving API response time by 35%.

Flight Delay Prediction | Spark, Apache Hadoop

- Processed 12M+ records using SparkSQL and SparkML to build a scalable batch prediction pipeline on HDFS.

Medium.com Clone | React, Node, Express, MongoDB

- Developed a blogging platform with JWT authentication, CRUD APIs, and MongoDB data modeling for posts and comments.

Open-Source Contribution- JupyterLab | Python

- Fixed Python plugin dependency issues in JupyterLab, resolving a version-downgrade bug during extension installation.

EDUCATION

Pace University

New York, NY

Master of Science (MS) in Computer Science; GPA: 3.9 / 4.0

University of Mumbai

Mumbai, India

Bachelor of Engineering (BE) in Computer Engineering

AWARDS AND ACHIEVEMENTS

- Awarded Graduate and Teaching Assistant scholarship for 'Web Development and Coding' course at Pace University.