

Sayali Tandel

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EDUCATION

Pace University

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

Coursework: Algorithms, Object-Oriented Programming, Distributed Systems, Analytics Computing

New York

Sep 2021- May 2023

University of Mumbai

Bachelor of Engineering (BE) in Computer Engineering

Coursework: Data Structures, DBMS, Software Engineering, Cloud Computing, Artificial Intelligence

India

Aug 2015- May 2019

WORK EXPERIENCE

Web Developer

Bright Mind Enrichment & Schooling Org.

Jan 2024 – March 2024

New York City, NY

- Enhanced website performance with HTML, CSS, **JavaScript**, **React**, and **Bootstrap**, achieving a 20% boost in page load time.
- Customized **WordPress** features and conducted automated testing using Selenium, reducing, and ensuring cross-platform functionality and mobile optimization resulting in a \$4k increase in donations.

Software Engineer

JobTarget LLC

June 2022 – Nov 2023

Stamford, CT

- Optimized navigation, **UI/UX**, and usability in a jobs aggregator app by refactoring **React** and **Next.js** code and implementing reusable components to enhance development efficiency and maintainability.
- Implemented **Jest**-based unit testing, integrated **CI/CD** pipelines with **GitLab**, resulting in a 40% increase in code coverage.
- Engineered automation scripts utilizing **Postman** for API testing and **AWS Lambda**, reducing job posting time by 30%.

Associate Software Engineer

Fyntune Solutions Pvt. Ltd. (Fintech)

Sep 2019 – March 2021

Maharashtra, India

- Managed **PHP** web applications using **Laravel** framework, optimizing the scalability by 27% via **MySQL** database efficiency.
- Expanded API by integrating backend data services, developing **RESTful APIs**, implementing **OAuth** and **JWT** authentication.

RESEARCH AND PUBLICATIONS

Seidenberg School of CSIS, New York | Technical Instructor

Sep 2023 – May 2024

- Instructed a Data Science course incorporating research on scalable databases, **GraphQL**, **Cassandra**, and **Big Data** concepts such as **Hadoop**, and **MapReduce** for insightful learning experience.

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**, and NVivo tool.

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

March 2019

- Co-authored and presented advanced text mining methods at ICACCS 2019, published by IEEE, enhancing EDA.

PROJECTS

Flaunt Website | React, TypeScript, Java, Spring Boot

- Developed a **full-stack** e-commerce health & wellness website in an **Agile** setting using **React**, **TypeScript**, **Java**, and **Spring Boot**, optimizing user engagement with responsive design and achieving a 35% improvement in API response time.

Flight Delay Prediction | Spark, SparkSQL, Apache Hadoop, SparkML

- Implemented flight delay prediction using **Spark**, **SparkSQL** for data querying, **Apache Hadoop**, and **SparkML** for machine learning on 12M+ data points stored in HDFS, achieving a 30% improvement in prediction accuracy.

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

- Created a Medium.com-inspired blogging platform with user **authentication**, post management, and commenting.

Open-Source Contribution- JupyterLab | Python

- Resolved a bug to prevent JupyterLab downgrades during plugin installations enhancing stability and user experience.

TECHNICAL SKILLS

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

Languages: Java, Python, JavaScript, TypeScript, HTML, CSS, Bash, SQL,

Databases/Cloud: MySQL, NoSQL, MongoDB, PostgreSQL, Firebase, AWS (EC2, S3, DynamoDB)

Developer Tools: Git, GitHub, VS Code, Eclipse, Docker, Postman, Apache Tomcat, Jenkins JIRA, Figma, Tableau, Power BI

Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Tensorflow, Keras, Seaborn, Pytorch

AWARDS AND ACHIEVEMENTS

- Awarded a scholarship and served as a Graduate Assistant and TA for 'Web Development & Design' course at Pace University.
- Presented with Best Research Paper Award for "Impact of Progressive Web Apps" (100+ citations) by University of Mumbai.