

SHIVAM DESALE

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EDUCATION

San Diego State University | *M.S in Computer Science* | **GPA: 3.7** **Aug. 2024 – May 2026**
Coursework: Data Structures and Algorithms, Machine Learning, Data Science

Savitribai Phule Pune University | *B.E in Information Technology* | **GPA: 3.96** **Aug. 2019 – May 2023**
Coursework: Operating Systems, Distributed Systems, Object Oriented Programming, DBMS

WORK EXPERIENCE

Hornblower Group **Jun 2025 – Aug 2025**
Software Engineer Intern | ReactJS, Redux, GraphQL, AWS Lambda, NodeJS, Datadog *Los Angeles, CA*

- Built a Membership Management Dashboard for Niagara Falls using ReactJS, Material-UI, and Redux-Saga, **enhancing rendering performance by 40%**
- Integrated GraphQL queries and mutations with AWS DynamoDB to update the ticketing data in real time for the Kiosk at Washington State Ferries, **reducing API response latency by 35%**
- Debugged production issues using Datadog and AWS CloudWatch, and built an embeddable ReactJS SDK rendered via iframe, **cutting client integration time from 3 days to under 8 hours**
- Orchestrated the design of a Ticket Availability API for Expedia using OCTO API, delivering **real-time availability with 40% lower query latency**

KPIT Technologies **Sep 2023 – Jun 2024**
Software Engineer | Python, FastAPI, AWS, ReactJS, Docker, Agile, JIRA *Pune, MH*

- Engineered an automated course assignment system (EduOnline) using Python FastAPI for backend processing and ReactJS for real-time progress tracking, reducing manual work by 90% and **benefiting 8000 employees**
- Built **RESTful APIs** using Python Pydantic for sending course completion points once the user completes a quiz, and stored the data in PostgreSQL, **improving data retrieval efficiency by 75%**
- Conducted stress testing with JMeter using RedLine13, and benchmarked frontend performance with Lighthouse Puppeteer, **validating scalability for 1000+ concurrent users**
- Supported containerization of microservices with Docker and Jenkins CI/CD pipeline, **enhancing deployments by 30%**

Quantiphi **Jan 2023 – Jul 2023**
Software Engineering Intern | NodeJS, Express, Git, MongoDB *Mumbai, MH*

- Designed a **responsive UI** for enterprise product Baioniq using ReactJS and React Bootstrap, and built the backend with NodeJS and ExpressJS, **improving performance by 50%**
- Assisted in deploying a patient data ingestion service on Linux using basic Kubernetes configurations, improving system reliability and reducing downtime by 25%
- Collaborated with 4 cross-functional teams** using GitLab for CI/CD, while adhering to Agile and Scrum methodologies to ensure iterative development and timely delivery

KPIT Technologies **Aug 2021 – Mar 2022**
Full Stack Developer Intern | Java, Springboot, Angular, MySQL, Excel, PowerBI *Pune, MH*

- Created a training request feature for 2500+ employees using Spring Boot (Java) for backend services and Angular for the frontend, enabling employees to request specific courses and **improving user engagement by 35%**
- Structured MySQL schema for course and employee data, **reducing manual processing effort by 30 hours per week**
- Automated assignment report generation with Spring Boot schedulers, minimizing manual intervention and **saving 15+ hours per month**

PROJECTS

ClassyBook: Advanced Bookstore Management System 📖 | NextJS, ReactJS, MongoDB Atlas, Vercel

- Executed ClassyBook, a MERN-based bookstore management system with inventory, user, and order management. Secured access using JWT-based authentication and RBAC with Bcrypt

KEY SKILLS

Programming Languages: Python, JavaScript, C/C++, Java, HTML/CSS, SQL, TypeScript, C#
Frameworks: FastAPI, ReactJS, Flask, Django, NodeJS, ExpressJS, Angular, Spark, Spring Boot, Kafka, ASP.NET
DevOps: Docker, Kubernetes, Linux, Jenkins, Git, Gitlab, Jmeter, Agile, Scrum, Datadog, GCP, Azure
Databases: DynamoDB, MySQL, PostgreSQL, MongoDB, Redis, ORM
Soft Skills: Communication skills, Problem-solving, Critical thinking, Leadership, Teamwork

CERTIFICATION

• **AWS Certified Associate Solutions Architect – Validation Number: 0YPRVP1201Q4QT3**