

SHIVAM MAHENDRAKUMAR DESALE

USA | sdesale9794@sdsu.edu | +16195347622 | <https://www.linkedin.com/in/shivam-desale-02/> | <https://github.com/shivamdesale13>

EDUCATION

Master of Science in Computer Science

Expected May 2026

San Diego State University, California, USA

Coursework: Algorithm Analysis and Design, Machine Learning, Data Science, Web & Application Development

Bachelor of Engineering in Information Technology

May 2023

Pimpri Chinchwad College of Engineering, Pune, IN (GPA: 3.96/4.00)

Coursework: Cloud Computing, Object Oriented Programming, Advanced Databases, Computer Networks, Artificial Intelligence

WORK EXPERIENCE

Software Developer Trainee | KPIT, Pune, India

Sep 2023 – Jun 2024

- Built a Learning Management System (LMS) tool called KPIT Academy using **Python**, **Django**, and **Nginx** achieving 80% automation in training assignments based on employee competencies.
- Optimized system performance and scalability by integrating **Redis** for caching, enabling seamless handling of a 180% increase in the user base.
- Automated unit tests using **pytest** and **Jest**, ensuring 95% test coverage across backend **Django APIs** and frontend **React** components.
- Collaborated closely with designers and product managers to overhaul the user interface using **React**, leading to a significant 33% increase in user satisfaction.

Framework Engineering Intern | Quantiphi, Mumbai, India

Jan 2023 – Jul 2023

- Implemented **RESTful APIs** with **Node.js** and **Express**, integrating secure JWT-based authentication and improving data access security for healthcare applications.
- Played a key role in a healthcare project and utilized **AWS** services, including **EC2**, **DynamoDB**, **S3**, and **Lambda**. This effort resulted in a 30% reduction in operational costs and improved data retrieval speeds by 50%.
- Orchestrated containerized healthcare applications with **Kubernetes** on **Linux**, enhancing reliability and scalability by 65% in patient data management.

Full-Stack Development Intern | KPIT, Pune, India

Aug 2021 – Mar 2022

- Programmed a robust training tool called EduOnline with login and training request features; enhanced company training capabilities by 45% and increased user engagement by 50%.
- Teamed up with cross-functional groups, cutting development time by 40% and boosting project quality by 30%.
- Utilized **Power BI** and **Excel** for data extraction and analysis, reducing operation time by 140%.
- Optimized training request workflows by implementing Django's **ORM**, reducing data entry errors by 25% and ensuring accurate tracking of over 1,000 training requests per quarter.

ACADEMIC PROJECTS

E-Commerce WebApp ([Website](#)) | *Django, Bootstrap, Python, jQuery, HTML/CSS, JavaScript, SQLite*

- Designed an e-commerce platform with **Django Template**, integrating payment gateways and inventory tools.
- Implemented robust product and order management via the Django admin interface and Django DRF.
- Incorporated Pagination, Serialization, user authentication and authorization for secure access control.

Bookstore Management System ([Website](#)) | *React, REST APIs, MERN, AWS, Vercel*

- Engineered a comprehensive bookstore management system using **MongoDB**, **Express**, **React**, and **Node.js** featuring user authentication and a platform for offering paid courses.
- Designed and integrated a payment gateway for paid courses, enhancing the platform's monetization capabilities.
- Optimized backend processes with Node.js and Express, enabling efficient book inventory management and course enrollment workflows.
- Deployed the application on **AWS** for the backend and hosted the frontend on **Vercel** for seamless deployment and performance.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES:

C/C++, Python, JavaScript, SQL, Java

TECHNOLOGIES AND TOOLS:

Django, Node, React, Angular, Express, AWS, EC2, DynamoDB, S3, Lambda, Redis, MySQL, MongoDB, PostgreSQL, Power BI

DEVOPS:

Docker, Kubernetes, Git, Jenkins, JIRA, Scrum, Agile

CERTIFICATION

- AWS Certified Solutions Architect - Associate:** Validation Number: OYPRVP1201Q4QT3