

Deep Patel

deppatel.user@gmail.com

626-425-3186

LinkedIn: [linkedin.com/in/deep-patel-se](https://www.linkedin.com/in/deep-patel-se)

GitHub: github.com/deep1020

Portfolio: deep-patel-portfolio.netlify.app

EDUCATION

Master of Science in Computer Science

California State University, Los Angeles, CA

January 2022 - May 2024

GPA: 3.63/4.0

Coursework: Analysis of Algorithm, Software Engineering, Software Architecture, Artificial Intelligence, Operating Systems, IoT

Bachelor of Technology in Computer Engineering

Indus University, Gujarat, India

August 2016 - June 2020

GPA: 3.8/4.0

Coursework: Data Structures, Web Technologies, Object-Oriented Programming, Database Management System, Big Data

WORK EXPERIENCE

Software Engineer | Community Dreams Foundation (Remote, USA)

September 2024 - Present

- Worked on developing an online Learning Management System (LMS) in Java, enabling core functionalities (e.g. multimedia support, interactive assessments, real-time student tracking), leading to a 40% increase in engagement.
- Designed a user-friendly, accessible interface with ReactJS that serves a diverse audience of students, educators, and administrators, optimizing for intuitive navigation, responsive design, and inclusivity across multiple device types.
- Built a highly scalable platform capable of handling over 10,000 concurrent users with 99.9% uptime, ensuring data security and compliance with educational standards.

Junior Software Engineer | Nilkanth Infotech (Ahmedabad, India)

July 2020 - November 2021

- Developed an e-commerce web application using Spring Boot and Hibernate framework, enhancing modularity and scalability in an agile development environment.
- Leveraged Java Full Stack technologies, including JSP, Servlet, JDBC, Apache Maven, JavaScript, to deliver high-quality software solutions, resolving 15 critical bugs.
- Integrated REST APIs to interact with a MySQL relational database, ensuring seamless data retrieval and updates, which reduced response time by 40%.
- Implemented a microservice architecture with 6 modules to obtain promo and offer data during cart checkout, resulting in over a 30% improvement in performance and efficiency.

Software Developer - Intern | Vcare Group (Ahmedabad, India)

February 2020 - May 2020

- Directed collaboration efforts with cross-functional teams to conduct thorough code reviews, demonstrating strong written and verbal communication as well as contributing well in a multi-site team setting.
- Modified the Course Enrollment Portal using Spring MVC, jQuery, AJAX, improving training efficiency by 20% with features like course registration, faculty assignment, fee structuring, and batch allocation.
- Strengthened proficiency in software testing, debugging, troubleshooting, deployment, and problem-solving by actively participating in the Software Development Life Cycle (SDLC).

ACADEMIC PROJECTS

Fintech Finance Banking Application [Link](#) | Java, Spring Boot, JPA, MySQL, JavaScript, Bootstrap

- Emphasized vital modules such as user signup/login with email verification, deposit/withdraw money, add/edit recipients, transfer money, payment to beneficiary account and view transactions.
- Utilized Spring framework and MySQL Database to create a reliable and user-friendly web application, providing security features, achieving a 99.9% uptime and reducing system crashes by 50%.

Electronic Health Record [Link](#) | Python, Machine Learning, MySQL, Typescript

- Trained ML model (KNN classifier), which classifies patients into 3 distinct categories: Healthy, Moderate, and Unhealthy, based on patient's records from the given dataset, achieving an impressive accuracy of 84%.
- Designed a User Interface where new patient records can be inserted and stored into the database, and records can be fetched and displayed to the user.

Walmart Sales Forecasting [Link](#) | Python, Machine Learning, Regression Algorithm

- Built a robust sales prediction model using Scikit-Learn, Matplotlib, Pickle, and Seaborn libraries.
- Analyzed historical data, and monitored KPIs on factors such as holidays, temperature, unemployment, fuel prices, to assess weekly sales impact.
- Achieved an R-Squared value of 0.96 through feature engineering, facilitating more accurate forecasting.

TECHNICAL SKILLS

Programming languages: Java, Python, JavaScript, C#, C++

Web technologies: HTML, CSS, Bootstrap, JSON, JSP, Servlet, JDBC, REST API, JPA

Frameworks: Maven, Spring MVC, Spring Boot, Hibernate, Django, ASP.NET, jQuery, React, Agile, Scrum

Databases & Servers: MySQL, Oracle, SQL Server, Apache Tomcat, XAMPP

Tools: Git, Eclipse, IntelliJ IDEA, VS Code, PyCharm, Figma, Docker, Jenkins, Jira, Postman

Cloud & DevOps: Amazon Web Services (AWS), EC2, S3, RDS, Lambda, CloudWatch

ACTIVITIES AND ACHIEVEMENTS

- Certifications:** [AWS Certified Cloud Practitioner Certification](#) (LinkedIn Learning), [Java Programming: Solving Problems with Software](#) (Coursera), [Object Oriented Programming in Java](#) (Coursera), [Programming Foundations with JavaScript, HTML, CSS](#) (Coursera), [Build a Slackbot from Scratch](#) (HiCounselor).
- Served as a Teaching Assistant for course CS2012 Introduction to Java Programming II, assisting students in understanding OOP concepts, GUI application and facilitating their learning process ([Certificate](#)).
- Solved more than 300 coding problems efficiently using data structures and algorithms ([Leetcode Profile](#)).