

PRATIP PATEL

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EDUCATION

California State University, Northridge

Master of Science - Computer Science (GPA: 3.80)

August 2021-May 2023

Coursework: Data Structure and Algorithms, Object Oriented Programming, Advanced Web Engineering, Advanced Software Engineering, Computer Network Software

LDRP Institute of Technology and Research, Gandhinagar

Bachelor of Engineering - Information Technology

August 2016-May 2020

Coursework: Data Structure and Algorithms, Web Development, Artificial Intelligence, Operating System, Software Engineering

SKILLS

Languages - JavaScript, Java, C#, Python, C/C++, SQL

Frameworks - React, Node.js, Spring MVC, ASP.NET, REST API, AWS, Electronic Data Interchange (EDI),

MySQL, SQL Server, NoSQL, Passport.js, ChartJs, XML

Tools and Methodologies: Agile Methodologies, Git, GitHub, Postman, JIRA

WORK EXPERIENCE

Web Developer – California State University, Northridge, United States

August 2022-Present

- Created and Maintained RESTful APIs using Java that handled over **30,000** data requests per day with an average response time of under **300ms**.
- Designed and developed complex web applications using JavaScript frameworks such as React that received over 10,000 daily active users with average response time of under 500ms.
- Implemented automated testing and continuous integration/continuous delivery (CI/CD) pipelines that resulted in reduction in deployment time and improvement in code quality.

Software Engineer Intern – Ipser Lab LLC, United States

May 2022-August 2022

- Leveraged React.js to develop cutting-edge user-facing features and created over **5 reusable components** to optimize speed and scalability.
- Boosted website traffic by enhancing design patterns and functionality for brand consistency, resulting in increased user engagement and retention.
- Optimized front-end performance by implementing component caching and memory optimization techniques.
- Led requirements analysis and utilized Agile Methodologies and Object-Oriented Programming principles to spearhead complex code development and design, resulting in streamlined development and improved project outcomes.

PROJECTS

Disco - A Spotify Clone | [Link](#) | React, JavaScript, MaterialUI, GIT, Firebase.

- Build a Spotify clone using React, implemented features such as User Authentication, Responsive Design using Material UI, Utilized React Context API to transfer data between components.
- Fetched Personalized Playlist and Profile Information using Spotify Developer API. Extensively used Git for version controlling and regularly pushed the code to GitHub. Deployed the application using Firebase.

Lindo Gourmet | React, JavaScript, Java, MySQL

- Implemented an eCommerce Website that lets customers sell Tea in their brands (private label) using React.
- Improved full page load time from **5.23s to 2.69s** by optimizing React Router, lazy loading images, and opting for local component states.

Simulation of LinkedIn | [Link](#) | ReactJs, NodeJs, MySQL, Apache Kafka, GIT.

- Simulated services of a Job portal, such as Job Search and Apply, Job Posting, User profile, Connections, and Messaging.
- Performed Mocha with Chai for Unit Testing, **JMeter with 1000 products** for performance testing, results with **20% low latency** then a conventional website and **30% more scalable** than a traditional website.

Casino Number Guessing (Baccarat) | C++

- Utilized skills in game development and probability modeling to create an entertaining and fair game that attracted a large and diverse player base.

PUBLICATIONS

- Review on Application of Big Data Analytics in Agriculture. Journal of Emerging Technologies and Innovative Research (6)6, 350-355. (ISSN: 2349-5162) · Jun 1, 2019 | [Link](#)

EXTRA CURRICULAR ACTIVITIES

- Delegated team of **5** in coding event of KSV techfest Xenesis and secured **2nd Runner up at zonal level** and represented University at the State Level.
- Chaired as Head of Sponsorship for University techfest and boosted revenue.