

NEHA AGRAWAL

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EDUCATION

Master of Science, Management Information Systems (GPA: 3.9/4.0) | University at Buffalo | Buffalo, NY June 2024
Relevant Courses: System Analysis and Design, Database Management System, Cloud Computing – AWS, Distributed Computing and Big Data, Data Warehousing, Health Care Analytics, Web Analytics - Google Analytics, IT Risk Management – CRISC aligned

Bachelor of Engineering, Electronics and Telecommunications May 2017
Dr. Babasaheb Ambedkar Marathwada University | Aurangabad, India

TECHNICAL SKILLS

Languages : JavaScript, Python, SQL
Web Technologies : HTML, CSS3, ReactJS, Redux, NodeJS, Express JS, jQuery, Bootstrap, TailwindCSS, TypeScript, ES6, REST API
Testing : Jest, Enzyme
Database : PostgreSQL, Oracle, MySQL, MongoDB
Data Analytics Tools : Tableau, SAS Studio, Talend Open Studio, Snowflake, OpenRefine, Orange Data Mining
Software Tools : Jira, Git, Gitlab, Firebase, Backbase, Drupal, IntelliJ, Visual Studio, Postman, Bitbucket, AWS Cloud services, Hadoop, Google Tag Manager, Google Analytics, Canva, Figma

EXPERIENCE

Senior Software Engineer, CitiusTech, Pune, India September 2021-June 2023

- Led development of patient module integrating RESTful APIs, capturing patient data, employing React functional components, Context Provider, Reducer, Hooks, Redux, Routing, selective rendering and authentication techniques
- Utilized React Hooks and Redux for efficient state management
- Implemented micro frontend architecture with MERN stack enhancing single-page web application performance by 15%
- Executed Test Driven Development, achieving 90% code coverage using Jest and Enzyme, leading to enhanced performance
- Implemented scheduler with real-time physician availability, increasing appointment booking efficiency by 20%
- Developed dashboards for patient (Appointment History, Medications and Allergies), physician (Number of Appointments), and admin (Active Users) users providing insights into their metrics, improving efficiency by 10%
- Advocated for modular design in peer code reviews, reducing system coupling by approximately 12%
- Created CI/CD pipelines, improving deployment speed by 25% and ensuring zero downtime

System Engineer, Tata Consultancy Services, Mumbai, India July 2017-September 2021

- Worked on design, build and deployment of an angular based single-page banking application for an Indian banking client with estimated user-base of over 60 million achieving 10% increase in the session duration
- Chiefly contributed to the migration of a web-application with added features and functionalities including cart, shop, checkout functionalities using JavaScript, HTML, CSS and jQuery for major US toy manufacturing client increasing user-engagement by 15%
- Developed re-usable UI components – widgets for different calculator's module using JavaScript and Backbase CMS
- Utilized optimization techniques such as lazy-loading, minification, image caching, image splitting, and SEO; improving application performance by 20%
- Employed JavaScript best practices, handling cross-browser compatibility and responsive design for consistent UX across platforms
- Achieved all 'A' Quality in SonarQube Gate Analysis in reliability, security, and maintainability
- Mentored a team of three junior front-end developers in building JavaScript UI components to expand application capabilities, leading to on-schedule development, and adherence to software best practices in an agile lifecycle

PROJECT EXPERIENCE

Netflix GPT, AI-driven Recommendation Engine May 2024

- Developed "NetflixGPT," a dynamic, React.js web app, enhancing user interaction through responsive design with Tailwind CSS
- Implemented Firebase for secure authentication and optimized TMDB API interactions through custom React hooks, ensuring efficient content updates

Medicare Patient Analysis, Primary Care IPA, NY August 2023-December 2023

- Reduced treatment costs by 15% by identifying cost-effective alternatives, aligning with Triple Aim goals
- Managed HIPAA-compliant data processing of 4.2 million datasets using Pandas and SQL, and analyzed data with Tableau for 50,000+ members

CERTIFICATIONS

[AWS Certified Cloud Practitioner \(CLF-C02\)](#) March 2024
[Microsoft Certified: Azure Data Fundamentals \(DP-900\)](#) January 2024
[Google Analytics Certification](#) April 2024
Earned badges issued by [Tableau](#) and [Snowflake](#) September 2023