RATNESH PAWAR
Frontend Software Engineer | Software Engineer

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Technically skilled software engineer with proven experience writing clean code to implement software solutions utilizing frontend, backend and full stack technologies. Demonstrated ability to communicate, collaborate, utilize creative problem-solving and project-management to implement solutions in agile and fast-paced environments.

EDUCATION

Master of Science in Computer Science | California State Dominguez Hills | 12/2024

PROFESSIONAL EXPERIENCE

Software Engineer Fellow | HeadStarter AI   07/2024 - Present
- Building 5 AI projects in 7 weeks and shipping them to 1000+ users, Utilizing Technologies like NextJs, Open AI, Pinecone, StripeAPI.

Software Engineering Student Assistant | California State Dominguez Hills   01/2023 - Present
- Revamp user experience and increase engagement 25% by executing React based redesigns for 5+ web pages, optimizing UI/UX, debugging links and leveraging database integration in MERN stack
- Enhanced classroom management system efficiency 15% by implementing Greedy Algorithm to analyze real-time availability based on database information

Software Engineering Teaching Assistant | California State Dominguez Hills   01/2024 – 06/2024
- Enhanced content structure and meaning communication 25% by teaching and implementing use of semantic HTML
- Increased knowledge of accessibility in coding by teaching students keyboard accessibility and alt text for images
- Boosted 70+ students' QA knowledge by teaching and implementing quality assurance and testing best practices

Software Engineer Intern | iBase Electrosoft   01/2022 - 06/2022
- Improved user engagement metrics 20% by revamping 4+ frontend components, simplifying user interface and making mobile display more responsive utilizing HTML5, CSS and JavaScript
- Decreased response time of backend 40% and improved system efficiency by developing REST API integrations, enhancing server-side components, and implementing a MongoDB database utilizing Node.js and Express
- Reduced deployment time 20% and after release defects 15% by developing optimization of CI/CD pipelines
- Increased software quality 25% by creating and executing testing and code reviews to identify problems, debugging code and utilizing version control to collaborate with cross-functional teams and implement solutions
- Enabled 500+ requests per second by migrating AngularJS to React and deploying with Amazon Web Services EC2

SOFTWARE ENGINEERING PROJECTS

Rapid Recap AI Article Summarizer   03/2024
- Built and deployed RapidRecap, an innovative web application to summarize articles utilizing React, Javascript, Tailwind CSS and Redux Toolkit following open-source development best practices.
- Implemented integration of OpenAI API to enable automated summarization of articles via links, and enhanced app features and user experience by creating integration for PDF summarization

Full Stack Blog Website | NovaNest   11/2023
- Created a responsive full stack blog website and user interface by utilizing 6+ frontend and backend technologies, writing clean code and making UX enhancements with 3+ interactive features including view tracking and comments
- Ensured functionality, availability and performance optimization by establishing smooth CI/CD pipelines, executing code reviews and implementing authentication from 3+ external websites

Colosseum Web App   01/2023
- Developed a feature rich watch party web app for YouTube by leading 4 person team and utilizing communication and project-management skills to ensure effective collaboration and progress
- Prioritized a smooth and intuitive UX design by leveraging Firebase, ReactJS, Typescript and Socket.IO to create a responsive application with 100% real-time communication between client and server-side components
- Ensured scalability and adaptable user experience by building API integration for 4+ platforms and databases

TECHNICAL SKILLS

Programming Languages: JavaScript, HTML, TypeScript, CSS3, Python, C++
Libraries/Frameworks: React, ReactJS, NextJS, Angular, AngularJS, Node, Pandas, NumPy, Express, Vue, VueJS,
Cloud & Tools: NoSQL, MongoDB, AWS, EC2, Azure, Heroku, SQL, Figma, Git, Github, Google Cloud, Firebase
Software Engineering: Object Oriented Programming, RESTful APIs, Dom Manipulation, Version Control, CI/CD, Unit Testing, Microservices, NPM, Continuous Integration, Continuous Deployment, UX, UI, DevOps, Distributed Systems