

Work Experience

Freelance Consultant - Software Development Consultant - MEAN Stack & Data analysis April 2023 - Present

- Recommended and Co-ordinated designing of a comprehensive application testing framework and pipeline, reducing the number of bugs by 33% and improving efficiency by 50%.
- Collaborated with cross-functional teams to proactively identify and resolve technical issues, yielding a notable 15% increase in website uptime and enhancing overall site performance.
- Revamped website flows and navigation menus, leading to a 30% reduction in the frequency of misdirected customer actions and a subsequent increase in traffic to previously overlooked pages.

Compro Technologies - Software Development Engineer July 2019 - July 2022

- Collaborated closely with the team and the client throughout the Scrum cycle, contributing to the development of customized solutions capable of accommodating over 80,000 concurrent global users.
- Worked in AGILE System to collaborate with cross-functional teams to conceptualize and deliver essential components within stringent timelines, attaining an impressive 98% on-time delivery rate.
- Engineered features like free draw canvas and audio/video players that increased user engagement by 30% and received positive feedback from 95% of users.
- Optimized website performance by identifying and addressing performance bottlenecks, resulting in a 30% improvement in website speed.
- Designed and implemented a highly secure encryption algorithm that reduced data breaches by 75% and enhanced overall system security.
- Composed individualized training plans for each new hire, aligning skill sets with company goals and objectives, resulting in a 50% improvement in overall team performance.
- Cooperated with cross-functional teams to achieve the seamless integration of the e-learning platform with the university's pre-existing systems, guaranteeing a hassle-free transition for both faculty and students while maintaining 97% of the original user base.

HCL Technologies - Summer Intern June 2018 - July 2018

- Optimized SQL database queries and performance to improve the application's speed and efficiency by 20%.
- Reduced performance issues, resulting in an application speed improvement of at least 25%.

Technical Skills

- **Web Technologies & Frameworks:** Express, Angular 2+, ReactJS, NodeJS, HTML 5, CSS3, Javascript, jQuery, Bootstrap, Electron, RxDB, XML, SASS, SCSS, AJAX, JSON, Ajax, Responsive web designs, Gulp, Bower, MEAN stack, MERN Stack.
- **Programming Languages:** Javascript, Python, C++, Java.
- **Machine Learning and Data Analytics:** Pandas, Seaborn, NumPy, Matplotlib, Sci-kit learn, Keras, Tensorflow, Pytorch, Huggingface, NLP, Deep learning, Machine Learning, AI, Language models, Generative AI.
- **Databases:** SQL, MYSQL, MongoDB, Hadoop, PouchDB, CouchDB.
- **Tools:** Git, Github, AGILE, AWS, Azure, GCP, Heroku, JIRA, Travis CI, Jenkins, Visual Studio Code.

Education

University of California, Riverside, California September 2022 - December 2023

- Master's in Computer Science (**GPA 3.8**)
- **Relevant Coursework** - Introduction to ML and Data Mining, Data Mining Techniques, Computer Security, NLP with Deep Learning, Foundations of ML, Machine Learning, Artificial Intelligence, Introduction to Deep Learning

Maharaja Agrasen Institute of Technology, New Delhi, India August 2015 - July 2019

- B.tech in Information Technology (**GPA 8.06**)
- **Relevant Coursework** - Artificial Intelligence, Web Technologies, Algorithm design and Analysis, Database management System, Software Engineering and Project Management

Projects

[N puzzle solver](#) - MEAN Stack August 2023

- Developed a lightning-fast N-Puzzle solver website capable of solving puzzles of any size in a matter of seconds.

[Personal Portfolio](#) - MEAN Stack July 2023

- Designed and developed a personal portfolio website using the MEAN stack, serving as a comprehensive showcase for all projects.