Neha Garg

Senior Software Engineer

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GitHub: Click here
Location: Bangalore

Summary

- Software Engineer specializing in web apps development.
- Close to 1.5 years of experience in web apps development with a good knowledge on Node.js, Express, HTML, CSS and Vanilla JS.
- Core Technical Contributions:
  - Built and maintained RESTful APIs and backend services for Realtor.com.
  - Designed and developed React applications using Create React App, JS and React functional Components (React v16.8).
  - Designed and developed Vanilla JS applications using OOJS.
  - Worked on Real estate domain product, contributed to authentication module, wrote services for buy module, sell module etc, collaborated with frontend for API integration, etc.

Skill Highlights

Primary Skills:

- Node.js, JavaScript, Express.js
- REST API Development
- Backend Integration

Secondary Skills:

- MongoDB, MySQL
- Git, CI/CD Pipelines
- Unit Testing (Mocha, Chai, Jest)
- Agile Methodologies (Scrum)
- HTML, CSS3, React(v16.8)
- Git

Experience and Projects

Brillio Technologies Pvt Ltd., Bangalore (*Oct 2023 to current*)
Senior Software Engineer

❖ *Realtor.com*
Realtor.com is a robust real estate platform providing seamless access to property listings and personalized search features. As part of the development team, I designed and developed RESTful APIs for various modules, enabling efficient data exchange between services. Additionally, I integrated a custom package into multiple micro-frontends, streamlining functionality and ensuring consistent performance across different user interfaces.

- Collaborated closely with product managers and other stakeholders to gather requirements, define API specifications, and ensure alignment with business objectives.
- Developed and optimized RESTful APIs for the buy, sell, and list modules, enabling efficient data handling and interactions between the backend and frontend.
- Implemented comprehensive unit and integration test cases for RESTful APIs using frameworks like Mocha and Chai to ensure reliability, functionality, and edge-case coverage.

- Worked alongside the frontend team to ensure seamless integration, providing clear documentation and support to enable smooth consumption of APIs
- Tech stack used: Node.js, Express.js, MongoDB, MySQL, Redis, JWT, React.js, Mocha/Chai, Git, Postman, Nginx etc.

ITM University, Gwalior (*Jan 2017 to Dec 2022)*
Assistant Professor

- **Age and Gender Classification Using CNN and VGG-16**
  This work focuses on age and gender classification using deep learning models like CNN and VGG-16. By analyzing facial images in real-time or from captured input, the system overcomes challenges like variations in dimensions and resolution to accurately classify age and gender.
- **A New Text Mining Method Based on Multi Objective Genetic and K-Means Clustering Algorithm (M.Tech Dissertation Title)**
  This study proposes an improved text mining approach using Multi-Objective Genetic and K-Means clustering algorithms. It organizes unstructured data into clusters, enhancing document clustering performance through heuristic techniques.

Publications

- Garg, N, Shrivastava, S, Gugnani, P (2020) "**Deep Learning Models for Leaf Disease Detection for Crops in Agriculture Field : A Survey**", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 6, Issue 3, May 2020.

- Garg N., Gupta R.K. (2018) **"Performance Evaluation of New Text Mining Method Based on GA and KMeans Clustering Algorithm"**. In: Choudhary R., Mandal J., Bhattacharyya D. (eds) Advanced Computing and Communication Technologies. Advances in Intelligent Systems and Computing, vol 562. Springer, Singapore.

- Garg, N, Gupta, R.K. (2018) "**Exploration of Various Clustering Algorithms for Text Mining**", International Journal of Education and Management Engineering(IJEME), Vol.8, No.4.

- Garg, N., Gupta, R.K., **"Document Clustering Analysis Based on Hybrid Clustering Algorithm"**, International Journal of Advanced Research in Computer and Communication Engineering, Volume 5, Issue 4, April 2016.

- Garg, N., Gupta, R.K., **"Clustering Techniques for Text Mining: A Review"**, International Journal of Engineering Research, Volume 5, Issue 4, April 2016.

- Garg, N., Gupta, R.K., **"Text Document Clustering Approaches: A Comprehensive Review"**, National Conference On Advances in Information and Communication Technology, February 2016. (Presented)

Education

M.Tech(C.S.) (R.G.P.V.)	MITS, Gwalior	87.3%	2016
B.E(C.S.) (R.G.P.V.)	S.R.C.E.M, Gwalior	76.3%	2012
12th (M.P.)	Gwalior	77.11%	2008
10th (M.P.)	Gwalior	82%	2006

Awards and Achievements

- Won **Brillio of The Month** award for the Month of August 2024.
- Won **Best Mentor Award** of B.Tech CS 2020-2024 batch on Teacher's Day, 5th Sep 2021.
- Won **Best Mentor Award** of B.Tech CS 2016-2020 batch on Teacher's Day, 5th Sep 2019.