Harsh Devisha

+1 (310)-696-9659 | harshdevisha91@gmail.com | linkedin/in/harsh | github/lostcache | github/notsoharshdevisha

Experience

Junior Software Engineer December 2021 - December 2023
Nexuslink Services *Ahmedabad, GJ*

- Implemented JWT-based authentication and Improved account recovery success by 50% through secure password reset and SMTP email functionality.
- Automated server-side PDF generation, reducing manual document creation by 80% and saving 100+ hours monthly for the operations team.
- Developed responsive web applications using React and Material UI, enhancing UX for 50,000+ users and reducing page load times by 40%.
- Designed a dynamic form with caching and lazy loading, optimizing API performance to handle high call volumes (over 100 calls per view).
- Optimized custom UI components for datasets with 2,000+ records, reducing rendering times by 30% through efficient component design.
- Developed a centralized API client utility, reducing codebase size by 35% and simplifying integration.
- Enhanced project stability and reduced development overhead by adopting clean code practices and best coding standards.

Data Specialist August 2024 – Present
LMU Career and Professional Development Department *Los Angeles, CA*

- Automated data processing and visualization pipelines using Python and SQL, increasing team productivity by 30% and reducing manual workloads.
- Analyzed appointment data using statistical techniques, identifying trends that improved student engagement by 20%.
- Identified underrepresented student groups using clustering algorithms, improving outreach effectiveness by 15%.

Education

Loyola Marymount University Los Angeles, CA
Master of Science in Computer Science *january 2024 – January 2026*

Pandit Deendayal Petroleum University Gandhinagar, GJ
Bachelor of Technology in Electrical Engineering *June 2017 – June 2021*

Projects

Battery Remaining Useful Capacity Estimation | *Python, Sklearn, Numpy, Pandas*

- Developed predictive models using regression and neural networks to estimate battery health, achieving a mean squared error (MSE) below 10%. Preprocessed over 10GB of EIS (Electrochemical Impedance Spectroscopy) data to ensure model accuracy.

Signal Processing | *Python, Numpy*

- Enhanced data quality by improving signal-to-noise ratio by 10% using advanced 1-D and 2-D signal processing techniques. Applied Fast Fourier Transform (FFT) and convolution for noise reduction and extracted key features for machine learning applications.

Sorting Visualizer | *React, TypeScript*

- Built a sorting algorithm visualizer in React and TypeScript, enabling real-time exploration of algorithms like Bubble Sort, Merge Sort, and Quick Sort. Integrated visual representations of the complexity of time and space to enhance user understanding.

Technical Skills

Programming Languages: Java, Python, C/C++, SQL, JavaScript, Zig, Rust, HTML, CSS
Web-Dev Frameworks/Libraries: React, Vue, Express, Django, Flask, Material-UI, Quasar, FastAPI
Cloud: Docker, Google Cloud Platform, Azure, AWS
Data/ML Libraries: Pandas, NumPy, Matplotlib, Sklearn, Tensorflow
Version Control: Git