Shreya Surendra Choure

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EXPERIENCE

Software Engineer, SandStream Marketing, Omaha, NE   **10/2023 – Present**
- Spearheaded the development of data-driven web application with focus on e-commerce functionalities for generating advertisements, surveys increasing user engagement by enhancing personalization by 25%.
- Optimized frontend performance, leading to a 25% improvement in data fetching rate by implementing GraphQL.
- Played a key role in a project that resulted in a 40% boost in conversion rates through user-centric design and accessibility improvements.
- Managed security updates and enhancements in cloud services such as AWS Cognito, contributing to robust and secure user experiences.

Software Engineer, IBM, India   **08/2021 - 08/2022**
- Developed and optimized frontend components of financial transaction platforms, leading to a 25% reduction in failure rates.
- Automated system reporting and invoice/email generation with Linux scripts, to improve accuracy and scalability while reducing the latency by 30%.
- Revamped software patching methodology to address performance bottlenecks improving compliance management by 18%.

Full stack Software Engineer, Kerkar Media, India   **09/2020 - 08/2021**
Technical Skills: React, Node.js, Express, SQL, MongoDB, Azure, AWS.
- Led the frontend development of a secure e-commerce platform, resulting in a 15% increase in company profit.
- Executed successful migration of the UI layer from PHP to Vue.js, achieving a 30% improvement in user experience and website performance.

EDUCATION

Master of Science, Computer Science   **09/2022 - 06/2024**
Portland State University, Oregon   GPA: 3.8/4.0
Bachelor of Engineering, Information Technology   **08/2016 - 10/2020**

TECHNICAL SKILLS

Languages: Java, Python (Data Structures and Algorithms), JavaScript, TypeScript
Tools & Platforms: React, Node.js, Vue.js, Express, Bootstrap, Docker, GraphQL
Database and Data Processing: MongoDB, Postgres, Data Analysis, Data Engineering, Data Visualization, PgAdmin
Cloud Computing: AWS (Amplify, EC2, S3, SNS, SQS, Beanstalk, ECS, Dynamodb, API Gateway), GCP, Azure
Artificial Intelligence: Machine Learning, Natural Language Processing, Large Language Models
Specializations: Cross-Platform Development, Frontend Performance Optimization, Responsive Design, Browser Compatibility

PROJECTS

Parks Explorer
- Developed user friendly and interactive dashboard with real time data from Open Weather, National Park service APIs to explore statewide parks in US, with focus on National Parks.
- Curated visualizations representing number of parks per state, campsites and comprehensive lists of passports stampings which resulted in 20% improvement in user involvement.

Book Recommendations Application (Python, Flask, Data Analysis, Visualizations)
- Implemented collaborative and popularity-based recommendation for books with ratings above 350 and 90% similarity improving quality of recommendations by 34%.
- Incorporated content evaluation techniques including same authors, publishers, and year of publication using cosine similarity and statistics to further enhance the accuracy up to 95%.

Advanced NLP for Conversation Summarization)
- Deployed Streamlit application for real-time data processing of fine-tuned summarization algorithms Text Rank, T5 and BART, attaining raw 80% and trained 95% accuracy in contextual relevance and summary precision.
- Integrated with GPT- 4 for context-aware summarization, contributing to a 25% overall enhancement in generated summaries capabilities.