Niharika Santhoshini Karri

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EDUCATION

Northeastern University — Boston, MA
Master's in Informations Systems; GPA: 3.67/4.0 — *Sep 2022 - Expected May 2024*
Coursework - Application Engineering and Development, Data Management and Database design, Data Science Methods, and Tools, Web Designing and User Experience

Vellore Institute of Technology — Tamilnadu, India
Bachelor of Technology in Civil Engineering; GPA: 8.71/10.0 — *Jul 2017- Apr 2021*
Coursework - Problem-solving and Object-oriented Programming, Statistics for Engineers

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++.
Libraries: Pandas, SciPy, NumPy, Scikit-learn, Matplotlib, TensorFlow, PyTorch.
Databases: SQL (MySQL, Oracle, SQL Server), NoSQL (MongoDB), Power BI, Tableau.
Web Technologies: HTML, CSS, JavaScript, React JS, Angular JS, jQuery, Bootstrap.
Tools and Services: Git, Windows, Microsoft Office, SASS, Eclipse IDE, Lucid chart, Slack, Visio, Apache Tomcat, Visual Studio Code, NetBeans, JIRA.

PROFESSIONAL EXPERIENCE

Programmer Analyst — **Feb 2021 - Aug 2022**
Cognizant Technology Solutions - Full Time — *Hyderabad, India*

- Architected an employee database platform, adeptly integrating data creation and storage processes using Spring Boot.
- Deployed intuitive React.js user interface, integrating AJAX calls to ensure real-time communication with backend APIs.
- Led system optimization, simulated scenarios to evaluate performance, culminating in a 15% boost in application response.
- Implemented RESTful APIs, seamlessly connecting the Spring Boot backend with the dynamic React.js frontend for efficient data flow and synchronization.
- Executed stringent data integrity checks, curbing inconsistencies, and enhancing error resilience with website maintenance.

Freelance Software Developer — **May 2020 - Jan 2021**
Remote

- Transformed a product-based corporation's online presence by overhauling their e-commerce platform with React JS.
- Utilized the fetch API to communicate with backend services, ensuring secure data transmission during online transactions.
- Improved transaction security and fostered customer trust through the integration of secure payment gateways using Spring MVC, contributing to a 30% rise in successful transactions.
- Boosted user engagement by 25% through the implementation of visually appealing components for the product catalog.

PROJECTS

Plasma Donation Management System | *Java Swing, Oracle SQL* — **April 2023**

- Deployed a Java Swing Plasma Donation System with Oracle SQL for robust data management.
- Implemented Transitory Software using geospatial algorithms for precise plasma donor localization.
- Unified plasma centers, hospitals, and NGOs, reducing coordination efforts by 70%.

Forecasting Game Triumphs: Google Play Data Study | *Python, Machine learning* — **Dec 2022**

- Transformed research paper insights into practical, adaptable algorithm, showcasing the application of academic knowledge.
- Employed various ML models for game success prediction, utilizing classification algorithms.
- Conducted feature importance analysis and leveraged SHAP values for model interpretability.
- Developed multivariate models enhancing predictive accuracy by 18%.
- Applied statistical techniques to inform data-driven decision-making in dynamic gaming industry.

Movie Streaming Management System | *MongoDB, React JS, Node JS* — **April 2022**

- Developed online video streaming platform enabling personalized watchlists and user subscriptions.
- Optimized data distribution with TMDB API, reducing execution time by 30%.
- Engineered a user-centric platform fostering content customization and seamless interaction.

Car Rental Service Agency | *Java FX, Scene Builder, MySQL* — **April 2022**

- Developed a Car Rental Service Agency using JavaFX, implementing streamlined operations through the incorporation of MVC architecture and JDBC connectivity.
- Devised sophisticated CRUD functionalities, enabling users to select, reserve, and oversee vehicles, with availability updates.
- Ensured a secure login mechanism and intuitive dashboard for user-friendly navigation.
- Created responsive pages for streamlined vehicle management, booking, customer records, and rental history.