ASTHA SINGH THAKUR

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SUMMARY

Experienced Software Developer with an MS in Computer Science. Proficient in Full Stack Development, API automation & end-to-end process architecture.

PROFESSIONAL EXPERIENCE

Lead Full Stack Developer, Think Round Inc   Jun 2023 - Present

- Orchestrated tech stack overhaul (JavaScript, Node.js, React, HTML, CSS) & website migration from Squarespace to GitHub & Docker, boosting performance by 10% & user engagement by 15%
- Restructured development team & modernized infrastructure, resulting in 20% traffic growth & improved operational efficiency
- Improved project efficiency by 20% through optimized workflows & streamlined development processes using Slack for enhanced team communication & collaboration

Developer, HotelKey   Feb 2023 - May 2023

- Automated Postman API collections for clients using JavaScript, transitioning from manual to automated testing of the Property Management System, which increased testing efficiency by 90%
- Generated front-end web app UI/UX mock-ups, resulting in a 20% rise in user satisfaction based on usability testing
- Improved back-end database management, reducing data processing errors by 30% & boosting accuracy by 20%

Developer & Assistant Manager, Angel One Ltd. (formerly Angel Broking Ltd.)   Sep 2021 - Dec 2021

- Implemented trading strategies, boosting client acquisition 14% monthly; earned Employee of Month
- Developed predictive financial algorithms leading to a 15% boost in ROI using GCP's BigQuery, ML with R & Python
- Analyzed campaigns using Google Data Studio, enhancing decision-making processes by 20%
- Revamped NPS rating system with NLP techniques, increasing customer participation by 25%

Senior Developer, Cartesian Consulting   Jun 2019 - Jul 2021

- Awarded 'More than Expected' for scaling Fortune 500 businesses through CRM analytics & targeted campaigns, generating 20M INR (~275K USD) in monthly incremental sales
- Achieved a perfect 10 NPS rating by implementing advanced analytical ML models using Python & R, contributing to a 6-7% monthly revenue increase, & architecting end-to-end processes for optimal scalability
- Recognized with the 'Extra Mile' award for enhancing digital presence & personalizing recommendations for Fortune 100 QSR brand using SQL, Python & advanced Excel
- Automated campaign execution processes & optimized SQL databases, reducing query response times by 25%

PROJECTS

Symphony Band Management System   Jun 2022 - Aug 2022

- Developed a comprehensive orchestra management system using Java, Spring Boot, Maven, JDBC, MySQL, HTML, CSS, & JavaScript
- The system efficiently handles customer requests, concert scheduling, and employee management, optimizing band operations

SearchLite - Web Search Engine   Jun 2022 - Aug 2022

- Developed a web search engine leveraging JavaScript, React, and Python, featuring a seamless & intuitive search experience with a React-based front-end and dynamic functionality driven by JavaScript

EDUCATION

University of Texas at Dallas | Master of Science, Computer Science | GPA: **3.7/4**   Dec 2023
University of Mumbai | Bachelor of Technology, Electronics & Telecommunication | GPA: **8.2/10**   May 2019

SKILLS

Backend: Python, Java, C, C++, Spring Boot, Maven, PHP, Node.js, JDBC, Postman	**Methodologies**: SDLC, Agile, Waterfall, Scrum
Frontend: HTML, CSS, JavaScript, React, Bootstrap, Figma	**Big Data**: Spark, Kafka, Hadoop
Database: MySQL, MS SQL, Google BigQuery	**Conceptual**: Data Structures & Algorithm, OOP, MVC, CRUD, Design Patterns, API Automation, DBMS, UML
ML: Python, R, TensorFlow, PyTorch, MATLAB	**Analytics:** CRM, A/B Testing, Root Cause Analysis