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

- Led a team of developers & implemented a robust tech stack, including HTML, CSS, JavaScript, Node.js, & frameworks like React, resulting in a 10% improvement in website performance metrics
- Enhanced user experience, leading to a 15% increase in user engagement and a 20% boost in website traffic
- Achieved 20% improvement in project efficiency and ensured a more streamlined development process

Developer Analyst, HotelKey   Feb 2023 - May 2023

- Automated Postman API collections for clients, increasing testing precision by 90% of Property Management System
- 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% and boosting accuracy by 20%

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

- Implemented trading & investment strategies, leading to ~14% MoM client acquisition rate surge, earning EoM
- Developed predictive financial algorithms leading to a 15% boost in ROI using GCP's BigQuery, ML with R & Python
- Analyzed campaigns, resulting in 20% enhancement of the decision-making efficiency, using Google Data Studio
- Revamped the NPS rating system, securing a 25% rise in customer satisfaction, and implemented targeted incentives for a 30% upswing in customer participation in survey journeys and contests

Senior Analyst, Cartesian Consulting   Jun 2019 - Jul 2021

- Received 'More than Expected' award 2020-21 for upscaling Fortune 500 businesses through CRM analytics and targeted campaigns, resulting in 20M INR (~275K USD) of monthly incremental sales
- Achieved 10 on 10 NPS rating for contributing to a 6-7% increase in monthly revenue through advanced analytical ML models, A/B testing, cross-sell, & market basket analysis to architect end-to-end processes for optimal scalability
- Recognized with the 'Extra Mile' award OND 2020 for Promo Optimization, enhancing digital presence, leading a team to improve efficiency and personalize recommendations for a Fortune 100 QSR brand
- Automated campaign execution processes & optimized retail client account databases with SQL servers, reducing query response times, minimizing data discrepancies resulting in enhancement of operational efficiency by 25%

PATENTS & PUBLICATIONS

IOT Device for Breast Cancer Detection – UK Design Patent - Design number - 6289909   Jul 2023

- An IoT device integrating sensors, enabling continuous data collection and remote monitoring, improving early detection and minimizing the need for frequent in-person appointments

Smart Document Tracking System - International conference - ICRTDARIP   Nov 2020

- This system ensures document authenticity, tracks document access, & provides real-time alerts for unauthorized access, prioritizing document security leveraging embedded systems and a range of web technologies

PROJECTS

Symphony Band Management System   Jun 2022 - Aug 2022

- Developed utilizing a tech stack comprising MySQL, JDBC, Spring Boot, HTML, CSS, and JavaScript which processes customer requests, concert allocation, and employee management, streamlining band operations

EDUCATION

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

SKILLS

Frontend: HTML, CSS, JavaScript, React, Bootstrap, Figma

Backend: Python, Java, C, C++, Spring Boot, Maven, PHP, Node.js, JDBC, Postman

Database: MySQL, MS SQL, Google BigQuery

ML: Python, R, Tensorflow, PyTorch, MATLAB

Big Data: Spark, Kafka, Hadoop

Methodologies: SDLC, Agile, Waterfall, Scrum

Conceptual: Data Structures & Algorithm, OOP, MVC, CRUD, Design Patterns, API Automation, DBMS, UML