

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

- Restructured the development team and implemented a new tech stack (HTML, CSS, JavaScript, Node.js, React), improving website performance by 10%
- Led the website migration, enhancing user experience, increasing engagement by 15%, and boosting traffic by 20%
- Improved project efficiency by 20% through optimized workflows and streamlined development processes

Developer, 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%

Developer & 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 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 and targeted campaigns, generating 20M INR (~275K USD) in monthly incremental sales
- Achieved a perfect 10 NPS rating by implementing advanced analytical ML models, 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
- Automated campaign execution processes & optimized databases, reducing query response times 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

Exploring ML Techniques potentially preferable for Breast Cancer diagnosis

Aug 2022 - Dec 2022

- Exploring ML techniques for breast cancer diagnosis, aiming to improve early detection of cancer

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

Methodologies: SDLC, Agile, Waterfall, Scrum

Big Data: Spark, Kafka, Hadoop

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

Analytics: CRM, A/B Testing, Root Cause Analysis