KAUSHAL AGARWAL

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EDUCATION

State University of New York at Binghamton
Masters of Science in Computer Science, 3.85 GPA   *Aug 2023 - Dec 2024*
Relevant Coursework: Data Structures and Algorithms, Programming for the Web, Operating Systems, Design Patterns.

A.P.J Abdul Kalam Technical University, United College of Engineering & Research, Allahabad Uttar Pradesh, India
Bachelor of Technology in Computer Science, 3.68 GPA   *Aug 2016 - Sept 2020*
Relevant Coursework: Discrete mathematics, Databases, Computer Networks, Machine Learning.

TECHNICAL SKILLS

Languages: Python, Java, C++, NodeJs, Javascript, HTML, CSS, Angular.
Software and OS: Intellij, Eclipse, Visual Studio Code, Jupyter Notebook, Git, Linux,Vim, Jenkins, Docker.
Framework & Technologies: Django, SpringBoot, AWS, Celery, Redis, MongoDB, TCP/IP, MySQL.
Certifications: Machine Learning, Fundamentals of Quantitative Modeling Coursera.

PROFESSIONAL EXPERIENCE

Knowbe4 | Security Coach Team: Software Engineer, Kochi, India | Oct 2022 - July 2023
- Successfully engineered and implemented a robust architecture for real-time security threat monitoring system via a Microsoft Teams BOT, enhancing the vigilance and proactive response of the system.
- Skillfully addressed Microsoft Teams API rate limit throttling, ensuring the uninterrupted functionality of the system.
- Optimized fraud notification procedures through the strategic implementation of a priority queue in AWS Simple Queue Service (SQS), improving system efficiency by 30% and enhanced responsiveness.
- Devised an effective strategy to balance bandwidth utilization between Stay Vigilant and Fraud Notification functionalities using AWS infrastructure, boosting system performance and reliability.

HealthifyMe |UserExp Team: Software Engineer, Bengaluru, India | April 2021 - Sep 2022
- Engineered a transformative Call Audit Dashboard at Healthifyme, surpassing Excel limitations. Achieved a remarkable 3x growth in auditor efficiency, providing real-time tracking for quality coach-client interactions, improving coach performance to 120%.
- Led a user-centric redesign interface of HealthifyMe's Coach Dashboard, elevating user satisfaction by 30%.
- Engineered GraphQL APIs for a 40% faster backend response, optimizing the user experience.
- Orchestrated design reviews, amplifying Coach Dashboard engagement. Facilitated cross-team communication, contributing to a 20% reduction in development cycles and fostering an agile, collaborative development environment.
- Played a pivotal role in the development of the Event Creation Dashboard, facilitating coaches to effectively track their schedules and connect with clients.

BNY Mellon Technologies | FinTech Team: Software Development Intern, Chennai, India | Jan 2020 - June 2020
- Successfully undertook the refactoring of an Angular application to enhance modularity and efficiently reduce production bundle size through the implementation of Angular services.
- Significantly improved user experience by incorporating Lazy Loading for features in lower demand, thus optimizing application performance.
- Contributed effectively as a key team member to meet project milestones, actively addressing and resolving technical issues and managing tasks via JIRA.
- Demonstrated proficiency in a diverse technical stack, primarily composed of Python and Angular 7.

TECHNICAL BLOGS
- Effectively distilled complex technical concepts (Camunda, Java, topological sorting) into engaging articles for a wide audience on Medium, fostering understanding and knowledge sharing. link: Medium
- Demonstrated expertise in technical writing and content creation, bridging the gap between technical knowledge and user comprehension. link: GeeksForGeeks

ACHIEVEMENTS
2023: Winning Inaugural AI Hackathon at KnowBe4 India Pvt Limited as a key team member.
2022: Won the 2022 Developers Hackathon at KnowBe4 India Pvt Limited as a key team member.
2019: Runner up HCL AI Hackathon - Develop project on "PREDICT BUCKET PRICE".