

Karthik Balaji Balamurugan

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Education

Master of Science, Computer Science - Purdue University, Indiana, USA

GPA - 4/4 | Aug'23 - Dec'24

Bachelor of Engineering in Computer Science - Velammal Engineering College, Chennai, India

CGPA - 8.23/10 | Jul'17 - May'21

Experience

Software Engineer - II, KLA CORPORATION, Chennai, India | Feb'22 - Jul'23

- Built and refined tools to benchmark and optimize software performance, ensuring efficient resource utilization and system stability.
- Optimized data processing algorithms and implemented low-latency IPC data buffers for real-time system operations.
- Promoted coding best practices through code reviews, enhancing code quality, and mentoring junior engineers.

Member of Technical Staff, Zoho CORPORATION, Chennai, India | May'21 - Jan'22

- Optimized CRUD operations for retrieving data from PostgreSQL for the Software Deployment Module in ManageEngine Desktop Central Product.
- Implemented features for a Product Self Service Portal, enabling customers to manage their software installations more effectively.

Profile

Skilled software engineer with experience in developing scalable and efficient software solutions using Python, C++, Java, and SQL. Expertise in NLP, machine learning, and source control.

Achievements

Ranked in top 150 in ACM-ICPC India Regionals, a prestigious programming competition, in 2019 and 2020.

4* in Codechef and Expert in Codeforces, leading websites for online programming contests.