

Contact

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(Personal)

Top Skills

Deep Learning
Python (Programming Language)
C++

Bala Varadarajan

Research Engineer @ Meta | PhD, Machine Learning
San Jose, California, United States

Summary

With over 10 years of work experience, I am a passionate and innovative research engineer who specializes in deep learning, computer vision, and generative AI. My mission is to leverage AI for social good and to create positive impact in the world. I currently work at Meta, where I focus on integrity for generative AI, on-device model optimizations, semantic segmentation, and scene understanding.

At Meta, I am part of a multidisciplinary team that develops cutting-edge solutions for object modeling, segmentation, and content moderation. I use my skills in machine learning, Python, and programming to design, implement, and test novel algorithms and frameworks that enhance the quality, performance, and scalability of our products. I also collaborate with other researchers and engineers across the company to share insights, best practices, and feedback.

Experience

Meta

Research Engineer

July 2022 - Present (2 years 5 months)

Menlo Park, California, United States

- Integrity for generative AI.
- Ondevice model optimizations, semantic segmentation and scene understanding
- 3D object modeling.

Waymo

Staff Software Engineer

May 2019 - May 2022 (3 years 1 month)

Mountain View

Google

Staff Software Engineer

October 2011 - April 2019 (7 years 7 months)

Mountain View

I worked on deep learning for video understanding (products include YouTube, Google photos and Cloud).

Education

The Johns Hopkins University

PhD, ECE · (2006 - 2011)

IIT Madras

BTech, EE · (2001 - 2005)