Stanford



Arya Bhadrakumar Nair

Masters Student in Mechanical Engineering, admitted Spring 2026

Resume available Online

Bio

EDUCATION AND CERTIFICATIONS

- Bachelor of Science, Florida International University , Mechanical Engineering (2025)

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Animal Welfare Volunteer

PERSONAL INTERESTS

Manufacturing Engineering | Dance | Drama | Biomechanics | Animal Welfare | Education

LINKS

- LinkedIn: https://www.linkedin.com/in/arya-b-nair-430385248/

Professional

WORK EXPERIENCE

- Manufacturing Engineer - Boeing Defense, Space & Security (10/3/2025 - present)
- Manufacturing Engineering Intern - Dover Corporation (6/2/2025 - 8/1/2025)
- Economic Development Administration Management Intern - United States Department of Commerce (9/2/2024 - 1/1/2025)
- Applied Plasma Chemistry Lab Intern - National Aeronautics and Space Administration (6/3/2024 - 8/9/2024)
- Undergraduate Research Assistant - Cold-Spray and Plasma Forming Laboratory (2/1/2023 - 6/1/2024)
- Engineering Economy Learning Assistant - Florida International University (8/1/2023 - 12/31/2023)

Publications

PUBLICATIONS

- **Nanoindentation-Driven Insights into the Micro-Mechanical and Viscoelastic Behaviors of Porcine Atria and Ventricles.** *ACS biomaterials science & engineering*
  Lou, L., Nair, A. B., Agarwal, A.
  2025; 11 (8): 4737-4746
- **Micro-Mechanosensory insights from Nature's Mimosa leaves to shape memory adaptive robotics** *MATERIALS & DESIGN*
  Lou, L., Lopez, K., Nair, A. B., Desueza, W., Agarwal, A.
  2025; 249