

# Nandu Krishna Raji Mol

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Portfolio: [nandu-kris7.github.io/Portfolio](https://nandu-kris7.github.io/Portfolio) | LinkedIn: [linkedin.com/in/nandu-krishna-r](https://linkedin.com/in/nandu-krishna-r)

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## Education

Master of Science in Computer Engineering  
California State University, Northridge (Expected: 2026)

Bachelor of Technology in Electronics and Computer Engineering  
A.P.J. Abdul Kalam Technological University, Kerala (2017 - 2021)

- Final Year Project: Fire Extinguishing with Sound Waves
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## Experience

**CSUN ARCS** Research Associate  
MARS Helicopter (Processor), CSUN (Jan 2025 – Present)

- Researching processor optimization for the MARS Helicopter mission.
- Working on computational efficiency, power management, and real-time processing.

**Founder**, Welkin Aves (2019 - 2024)

- Developed a drone prototype with an automated battery-swapping feature.
  - Secured \$12,000 in grants and partnered with Kerala Startup Mission.
  - Incubated at AICTE IDEA Lab and Cisco ThingQbator.
  - Led product development, programming, and CAD design.
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## Projects

Drone Battery-Swapping Prototype

- Role: Idea originator, hardware technician, programmer, and CAD designer.
  - Designed an automated system to extend drone flight time.
  - Overcame key technical challenges in hardware and software integration.
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## **Skills**

- Programming: Python, Embedded C, VHDL
  - Software & Tools: SolidWorks, MATLAB, AMD Vivado, Keil MicroVision, Microsoft Office
  - Technical Skills: Teamwork, Communication, Problem-Solving, Organization
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## **Certifications**

- IBM Data Science Specialization
  - Python Certification
  - PowerPoint Certification
  - Excel Certification
  - 3D Printing Certification
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## **Leadership & Extracurriculars**

Chief Creative Officer, RIET

- Institution Innovation Cell (2020 – 2021)
- Innovation and Entrepreneurship Development Cell (2019 – 2020)
- Led innovation initiatives and collaborated with faculty & students to foster research.