

# ARYAN SUKHADAN NAIR

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## Education

### Fr. C. Rodrigues Institute of Technology

*Bachelor of Engineering in Computer Engineering*

- CGPA: 9.20/10.0

Vashi, Maharashtra

November 2022 – Expected July 2026

## Work Experience

### IISER x Suraj Informatics

*Project Intern*

Mohali, India - Remote

July 2025 – Expected June 2026

- Built a **YOLOv11-based vision system** with **ByteTrack** and **zone logic** for real-time **baggage counting**, reducing manual effort by **~80%**.
- Implementing **anomaly detection** and **live monitoring** features, enabling reliable operation in **high-footfall areas**.

### Sports Mentoring Infusion - NGO

*Full Stack Developer Intern*

Mumbai, India - Remote

June 2025 – Expected November 2025

- Developed **backend services** with **Node.js** and **PostgreSQL** for a task management system, cutting manual allocation by **~70%** for **100+ students**.
- Handled **APK builds** and added **class management**, **assignments**, and **daily review**, boosting efficiency for **10+ coaches**.

### IISER Mohali

*Project Intern*

Mohali, India - Remote

July 2024 – June 2025

- Analyzed **4 CVD datasets (5000+ records)** and trained **ML models**, improving prediction accuracy by **~15%**.
- Built a **healthcare web app** with **risk prediction**, **visualizations**, and **secure uploads**, integrating **AI explanations** via Gemini 2.5.

## Projects

### Swabhav360 – Impact Tracking Platform for SMI | *React Native, Node.js, PostgreSQL*

- Built a **React Native mobile app** to track **child development**, **coach inputs**, and **volunteer activities**, reducing manual record-keeping by **~70%**.

### Secure Chat Application | *Python, RSA Encryption, React*

- Created a **full-stack chat platform** with **real-time encrypted messaging**, minimizing reliance on unsecured channels. [\[GitHub Link\]](#)

## Leadership

### Computer Society of India (CSI) FCRIT

*Technical Head*

Navi Mumbai, India

July 2024 – June 2025

- Deployed and maintained the **CSI website** on the **college domain**, updating **event** and **team information** to reduce manual updates by **~60%**.

## Certifications

### Core Java (JSE) Programming Course

*45 hours of intensive training*

Pinnacle Tech Programs

2024

- Comprehensive training in Java fundamentals and object-oriented programming. [\[View Certificate\]](#)

### Deep Learning - Layers of Learning

*18 hours Industrial Training and Winter Internship*

RVTechlearn & PNT Academy

2024

- Hands-on experience with deep learning frameworks and neural network architectures. [\[View Certificate\]](#)

## Publications

### WERK - An Online Job Portal

*Research Paper Publication*

International Journal of Research and Publication Reviews (IJRPR)

2024

- Published comprehensive research on online job portal development and implementation

## Technical Skills

**Languages:** Python, Java, SQL    **Frontend:** React.js, React Native, Tailwind CSS    **Backend:** Node.js    **ML:** Random Forest, XGBoost, TensorFlow, Scikit-learn    **Databases:** MongoDB, MySQL, PostgreSQL    **DevOps:** AWS, CI/CD, Git, Postman, Docker