

Arun Jose

Researcher, Engineer, Maker of Things

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Trivandrum, India

Jozdien

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Areas of Specialization

Deep Learning & Friendly AI
Android & Web Development
Heuristics

Education

Computer Science and
Engineering – B.Tech
College of Engineering Trivandrum
08/18 – Present • CGPA: 8.73

Indian School Certificate
Loyola School Thiruvananthapuram
06/05 – 03/18 • ISC: 91.6%

Skills

Reasoning through Reductionism
Deep Learning Systems
Friendly AI
Decision Theory
Originality
Machine Learning
Natural Language Processing
Oratory
Android & Web Development

Languages/Frameworks

Python	██████████
Java	██████████
JavaScript	██████████
Tensorflow	██████████
scikit-learn	██████████
NLTK	██████████
React Native	██████████
ReactJS	██████████

Interests

Artificial Intelligence
Bayesian Rationality
Art & Design
Authorship
Effective Altruism

Projects/Publications

Metise (Tensorflow)

Created structure and code of a reversible image compression using cGANs.

Mentem (Tensorflow, SpaCy)

Platform for mental health support and triage using speech and facial analysis. Won 3rd place at Reboot Kerala Hackathon.

Calibration Game (React Native)

Android app for calibrating belief strengths to success rates.

Karma (PHP)

System to facilitate fast rescue during emergencies. 1st Place at national-level EVOKE'19 Hackathon.

Veris (NextJS, React Native, Node)

Open-source web/app framework for college administration, deployed in CET.

Phemos (Python)

Paper on a news algorithm relating to a feedback loop on media and polling.

Awards

EVOKE'19 Hackathon

Winner, out of 15+ teams
National level tech summit by IEDC TKMCE & IEEE SB TKMCE

Reboot Kerala Hackathon

Second Runner Up – Healthcare Category, out of 30+ teams
State level Hackathon series by State Department of Higher Education

Pass the Code

Winner, out of 15+ teams
State level tag-team coding competition by IEEE SB GECBH, IEDC, & ISTE

Mathematical Genius Award

State 1st, National 8th, out of 1000+ students (2015)

Master Oratium

Winner, out of 300+ participants
State level public speaking competition by JCI, judged and awarded by Dr. Shashi Tharoor

Work Experience/Volunteering

02/2020 – Present

Co-ordinator/Co-Founder

IEEE SB CET Special Interest Group in AI

- Set up an industry collaboration with Neuroplex to provide experienced training and internship opportunities.
- Co-ordinated workshops, competitions, and webinars, notably:
 - A virtual workshop introducing the concepts and implementations of Machine Learning, Deep Learning, and Friendly AI, which ended with 23 students completing projects in prediction analysis.
 - A competition relating to AI Safety, which closed with an analysis of the common fallacies faced.
 - Webinars by professionals involved with the field.
- Collaborated with the Machine Intelligence Research Institute for instructional material and technical assistance.
- Founded 2 new Special Interest Groups in IEEE SBs across the state.

09/2020 – Present

Intern – ML team

Airli, OrbitAustralia

- Developing a machine learning model to process satellite imagery to generate actionable insights relating to pollen forecasts, for clients working to improve quality-of-life apropos of asthma and air quality.

02/2019 – 08/2019

Logistics Manager

MuLearn

- Oversaw heuristics of instructional methods and handling of source material.
- Managing and formatting the MuLearn website.

08/2019 – Present

Freelancer

Android & Web Development

- Front-end design and development.