

Aravinth Panch

An interdisciplinary expert with 17+ years of global experience in science, engineering, arts and sustainability, with the core expertise in research, development and production of electro-mechanical embedded systems and digital products.

- EdTech, AgriTech, HealthTech, BioTech, NanoTech, GreenTech, BlueTech -

1 Personal

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DATE: 27th February 2022

2 Experience

2.1 Work

| | |
|----------------------------|---|
| Current MAY 2003 | Founder Interdisciplinary Engineer & Consultant <i>araCreate, Sri Lanka, India, Germany</i> |
| APR 2020 JUN 2019 | Co-Founder Chief Technology Officer [Exit] <i>Watergenics UG, Berlin, Germany</i> |
| JUN 2019 AUG 2017 | Head Of Embedded Systems Engineering <i>Next Big Thing AG, Berlin, Germany</i> |
| JUL 2017 APR 2016 | Lead Embedded Systems Engineer <i>Senic GmbH, Berlin, Germany</i> |
| MAR 2016 OCT 2015 | Co-Founder Chief Technology Officer [Closed] <i>Macsxperts, Bangalore, India</i> |
| SEP 2015 AUG 2015 | Embedded Systems Engineer [Merged] <i>SmartB Energy Management GmbH, Berlin, Germany</i> |
| MAY 2015 OCT 2014 | Systems Architect <i>The Jodel Venture GmbH, Berlin, Germany</i> |
| SEP 2014 JAN 2013 | Embedded Systems Engineer [Closed] <i>Yetu AG, Berlin, Germany</i> |
| JUL 2011 APR 2011 | Senior Systems Engineer <i>Infosys LTD, Mysore, India Systems Engineer</i> |
| MAR 2011 NOV 2009 | Co-Founder Chief Technology Officer [Merged] <i>Academia Grandiosa Medicinæ, New Delhi, India</i> |
| OCT 2009 | Systems Engineer |

2.2 Skills

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| HARDWARE | Design of Schematics, Footprints and Digital & Analog Circuits |
| EMBEDDED | Development of Baremetal Firmware, IoT & Embedded Linux |
| ROBOTICS | Development of AI, ML, Computer Vision & Motion Control Systems |
| MECHANICS | Design of Manufacturable Electro-Mechanical Systems |
| FABRICATION | Additive & Subtractive Manufacturing of Wood, Plastic & Metal |
| MANUFACTURING | Design for Manufacturing, Assembly, Certification & Cost |
| SOFTWARE | Development of Desktop, Web, Mobile & Cloud Applications |
| DEVOPS | Deployment of Build, Test, Monitoring & Runtime Infrastructure |
| MULTIMEDIA | Design of Graphics & Audio-Visual-Haptic Art Installations |
| DEEP TECH | Sensor Design, BioTech, Bioinformatics & NanoTech (Graphene) |
| ENTREPRENEURSHIP | Business & Financial Modeling, Investment, Recruitment |
| | Performance Marketing, Networking & Company Culture |
| LEADERSHIP | Design Thinking, Product Development Lifecycle, Agile Project & Team Management (SCRUM & KANBAN), Team Building, Goal-setting, Coaching (NLP) & Expectation Management |
| SOCIAL | Community Building, Mentoring, Empowerment & Sustainability |

3 Education

3.1 Academics

| | |
|------|---|
| 2015 | Master of Science in Electrical Engineering |
| 2011 | Technical University of Berlin, Berlin, Germany |
| 2008 | Bachelor of Technology in Electronics and Communication Engineering |
| 2004 | SRM University, Chennai, India |
| 2004 | Associate's Degree in Multimedia |
| 2003 | ARENA Multimedia, Chennai, India |

3.2 Research

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| 2015 | Humanoid Robotics |
| 2014 | DAI LABOR - Distributed Artificial Intelligence Laboratory, Berlin, Germany |
| 2014 | Biometrics and Deep Security |
| | T-LABS - Deutsche Telekom Innovation Laboratories, Berlin, Germany |
| 2014 | Autonomous Vehicle |
| 2013 | DCAITI - Daimler Center For Automotive Information Technology Innovations, Berlin, Germany |
| 2013 | Wireless Mesh Technologies |
| | TKN - Telecommunication Networks Group, Berlin, Germany |

3.3 Languages

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| TAMIL | Native proficiency |
| ENGLISH | Bilingual proficiency |
| GERMAN | Professional proficiency |
| HINDI & URDU & MALAYALAM | Limited working proficiency |
| RUSSIAN | Elementary proficiency |