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

NAME:	Aravinth Panch
PHONE:	+49 176 31173663
EMAIL:	me@aravinth.info
DATE:	9th October 2020

2 Experience

2.1 Work

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

OCT 2008 | *Tata Consultancy Services, New Delhi, India*

2.2 Skills

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

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*