

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.

This is a simplified resume and detailed informations about me, my skills and my projects can be found at [GitHub](#), [LinkedIn](#), [Personal Website](#)

1 Personal

NAME: Aravinth Panch
ADDRESS: Bornstr. 3, 12163 Berlin, Germany
PHONE: +49 176 31173663
EMAIL: me@aravinth.info
CV UPDATED ON: 16th June 2020

2 Experience

2.1 Employed

APR 2020	Co-Founder Chief Technology Officer
JUN 2019	<i>Watergenics UG, Berlin, Germany</i>
JUN 2019	Head Of Embedded Systems Engineering
AUG 2017	<i>Next Big Thing AG, Berlin, Germany</i>
JUL 2017	Lead Embedded Systems Engineer
APR 2016	<i>Senic GmbH, Berlin, Germany</i>
MAR 2016	Co-Founder Chief Technology Officer
OCT 2015	<i>Macexperts, Bangalore, India</i>
SEP 2015	Embedded Systems Engineer
AUG 2015	<i>SmartB Energy Management GmbH, Berlin, Germany</i>
MAY 2015	Systems Architect
OCT 2014	<i>The Jodel Venture GmbH, Berlin, Germany</i>
SEP 2014	Embedded Systems Engineer
JAN 2013	<i>Yetu AG, Berlin, Germany</i>
JUL 2011	Senior Software Engineer
APR 2011	<i>Infosys LTD, Mysore, India</i>
MAR 2011	Co-Founder Chief Technology Officer
NOV 2009	<i>Academia Grandiosa Medicinae, New Delhi, India</i>
OCT 2009	Systems Engineer
OCT 2008	<i>Tata Consultancy Services LTD, New Delhi, India</i>

2.2 Freelanced | Affiliated

CURRENT MAY 2003	Founder Interdisciplinary Expert <i>araCreate UG, Global</i>
CURRENT AUG 2018	Co-Founder Director Of Innovation <i>DreamSpace Academy, Batticaloa, Sri Lanka</i>
CURRENT APR 2019	Ambassador Tech Diplomacy <i>AsiaBerlin By Berlin Senate, Berlin & Asia-Pacific</i>
CURRENT MAY 2018	Advisory International Partnerships <i>MotionLab ML GmbH, Berlin, Germany</i>
CURRENT JUN 2020	Advisory Biotech & Nanotech <i>Sri Lanka Institute Of Nanotechnology (SLINTEC), Colombo, Sri Lanka</i>
CURRENT APR 2020	Global South Coordinator <i>Global Talent Mentoring By University Of Regensburg, Regensburg, Germany</i>
CURRENT AUG 2015	Co-Founder Partnerships <i>Zerosec Solutions, Coimbatore, India</i>
CURRENT FEB 2014	Founding Member Partnerships <i>Greenbuzz Berlin e.V., Berlin, Germany</i>
CURRENT FEB 2014	Advisory <i>Motorskins, Berlin, Germany</i>
JUN 2019 SEP 2018	Advisory Investment & Manufacturing <i>Assistr Digital Health Systems GmbH, Berlin, Germany</i>
JUN 2019 SEP 2017	Advisory Engineering & Manufacturing <i>Metr Building Management Systems GmbH, Berlin, Germany</i>
JUN 2019 DEC 2018	Advisory Corporate Partnerships <i>Carion Mobility GmbH, Berlin, Germany</i>

3 Education

3.1 Academics

2015 2011	Master of Science in Electrical Engineering <i>Technical University of Berlin, Berlin, Germany</i>
2008 2004	Bachelor of Technology in Electronics and Communication Engineering <i>SRM University, Chennai, India</i>
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

3.3 Certifications

2012 | TestDAF - Test of German as Foreign Language. Score: 16/20
2010 | IELTS - International English Language Testing System. Score: 7.5/9
2010 | EC-Council - Ethical Hacking
2009 | CCNA - Cisco Certified Networking Administration

4 Nice to Have

4.1 Skills

HARDWARE	Design of Schematics, Footprints and Digital & Analog Circuits
EMBEDDED	Development of Baremetal Firmware, IoT & Embedded Linux
ROBOTICS	Development of AI, Computer Vision & Motion Control Systems
MECHANICS	Design of Manufacturable Electro-Mechanical Systems
FABRICATION	Additive & Subtractive Manufacturing of Wood, Plastic & Metal
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
ENTREPRENEURSHIP	Business & Financial Modeling, Investment & Recruitment
SOCIAL	Community Building, Mentoring, Empowerment & Sustainability

4.2 Languages

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

4.3 Awards

2019	Falling Walls Science Engagement Of The Year
2011	Erasmus Mundus Scholarship Of 48,000€

4.4 Mentor

SEP 2018 - CURRENT	Innovation Network For Advanced Materials (INAM), <i>Berlin, Germany</i>
APR 2020 - CURRENT	The Startup Club, <i>Milan, Italy</i>
FEB 2020 - CURRENT	Imagine2030 Mobility Accelerator, <i>Berlin, Germany</i>
MAR 2020 - CURRENT	Vision Health Pioneers (VHP), <i>Berlin, Germany</i>
MAR 2020 - CURRENT	Access 2 Perspectives (A2P), <i>Global South</i>
JAN 2020 - CURRENT	Berlin Startup School, <i>Berlin, Germany</i>
OCT 2019 - CURRENT	Founder Institute (FI), <i>Berlin, Germany</i>
MAR 2019 - CURRENT	Canary Islands Hub, <i>Gran Canaria, Spain</i>
APR 2019 - CURRENT	Decelera, <i>Menorca, Spain</i>
NOV 2019 - CURRENT	WLounge, <i>Berlin, Germany</i>
SEP 2016 - DEC 2016	Singa Deutschland - Refugee Integration, <i>Berlin, Germany</i>

4.5 Communities

MAY 2019 - CURRENT	Member Community Maker, <i>Global Innovation Gathering (GIG)</i>
MAR 2020 - CURRENT	Member Community Scientist, <i>Just One Giant Lab (JOGL)</i>
MAR 2020 - APR 2020	Event Organizer Mentor, <i>Datanatives Hack Corona</i>
MAR 2019 - CURRENT	Event Organizer, <i>AsiaBerlin Summit (ABS)</i>
OCT 2014 - CURRENT	Event Organizer Community Scientist, <i>Science HackDay Berlin (SHDB)</i>
MAY 2015 - CURRENT	Community Maker, <i>Maker Faire Berlin</i>
SEP 2015 - SEP 2019	Community Artist, <i>Spektrum Berlin</i>
OCT 2014 - AUG 2015	Community Scientist, <i>DAINAMITE - Humanoid Robot Robocup SPL Team</i>

4.6 Talks, Workshops & Exhibitions

FEB 2020	[Talk] Innovation Ecosystems Around The World, <i>Technical College Batticaloa, Batticaloa, Sri Lanka</i>
FEB 2020	[Talk] Innovation Ecosystems Around The World, <i>Dreamspace Academy, Batticaloa, Sri Lanka</i>
FEB 2020	[Talk] Innovation Thinking, <i>Esoft, Batticaloa, Sri Lanka</i>
JAN 2020	[Workshop] Emerging Startup Ecosystem For Uzbekistan, <i>Programme Designers' Lab Uzbekistan, Enpact, Berlin, Germany</i>
DEC 2019	[Talk] Global Innovation Gathering : Dreamspace Academy, <i>Chaos Communication Congress, 36C3, Leipzig, Germany</i>
DEC 2019	[Workshop] Sustainable Making, <i>Gig Dots 2019, Global Innovation Gathering, Nakuru, Kenya</i>
NOV 2019	[Talk] Data, Sovereignty, Democracy : A Global South Perspective, <i>United Nations Internet Governance Forum, Igf 2019, Motionlab, Berlin, Germany</i>
NOV 2019	[Keynote] Co-Creating The Dreams With Project & Challenge Based Learning, <i>Relogia 2019, Sofia, Bulgaria</i>
NOV 2019	[Workshop] Company Culture For Social Responsibility, <i>WLounge Workshop Circle, Berlin, Germany</i>
NOV 2019	[Talk] Breaking The Wall Of Subject Based Learning, <i>Falling Walls 2019, Berlin, Germany</i>

OCT 2019	[Talk] Hardware: Starting Up The Hard Way, <i>Climatetech Session 2, Founder Institute Berlin, Berlin, Germany</i>
AUG 2019	[Talk] Advanced Prototyping, <i>Openhpi, School Of Design Thinking, Berlin, Germany</i>
JUL 2019	[Talk] The Fuck Ups To The Good Times, <i>The Good Times 2.0, Jakarta, Indonesia</i>
JUL 2019	[Talk] Motionlab Berlin - The Innovation Hub, <i>The Good Times 2.0, Jakarta, Indonesia</i>
JUL 2019	[Panel] 6Th Green And Innovative Economy, <i>Startup Nation Thailand 2019, Bangkok, Thailand</i>
MAY 2019	[Exhibit] araBeat + araBot, <i>Maker Faire Berlin 2019 Berlin, Germany</i>
MAY 2019	[Keynote] Connecting Asian Origin, <i>Asia Pacific Week Berlin 2019, Berlin, Germany</i>
MAY 2019	[Talk] Advanced Material Startups Ecosystem, <i>Asia Pacific Week Berlin 2019, Berlin, Germany</i>
APR 2019	[Talk] Introduction To Community Innovations & Project Based Learning, <i>Dreamspace Academy, Batticaloa, Sri Lanka</i>
FEB 2019	[Talk] Motionlab Berlin - The Innovation Hub, <i>Canary Islands Hub, Gran Canaria, Canary Islands</i>
JAN 2019	[Talk] Introduction To Berlin Hardware Ecosystem, <i>Shenzhen Meets Berlin, Berlin, Germany</i>
DEC 2018	[Keynote] Motionlab Berlin - The Innovation Hub Global, <i>Innovation Summit 2018, Chengdu, China</i>
OCT 2018	[Talk] Robotics & Iot Innovations For Solving The Fundamental Human Problems, <i>Broadband World Forum (Bbwf) 2018, Berlin, Germany</i>
OCT 2018	[Exhibit] Arabeat : An Interactive New Media Art That Sonifies Electrocardiogram, <i>Gathering For Open Science Hardware (Gosh) 2018, Shenzhen, China</i>
APR 2018	[Talk] Over-The-Air Update : The Crucial Component Of Iot Products, <i>Ethereum Camp 2018, Berlin, Germany</i>
APR 2017	[Talk] Learn Bluetooth Low Energy (Ble) On Raspberry Pi With Nuimo, <i>Techjam 2017, Berlin, Germany</i>
NOV 2015	[Exhibit] Hydroponics Kitchen Vertical Farm, <i>Krishi Mela 2015, Bangalore, India</i>
SEP 2015	[Exhibit] Human ♥ Robot, <i>Spektrum, Berlin, Germany</i>
JUL 2015	[Exhibit] Gesture Recognition For Human-Robot Interaction, <i>Distributed Artificial Intelligence Laboratory (Dai-Labor), Berlin, Germany</i>
MAY 2015	[Exhibit] Heart Of The City, <i>Vivid Light Festival 2015, Sydney, Australia</i>

Summary

Aravinth is 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.

As an engineer, he worked for 2 corporates in the telecom sector and worked for 8 tech startups in the sector of education, smart home, media, agriculture, energy, healthcare & water, in Asia & Europe.

As an entrepreneur, he co-founded 7 organisations in the sector of education, sustainability, agriculture, consulting & engineering services, in Asia & Europe.

As a scientist, he researched at 4 academic research institutions in the field of wireless technologies, autonomous vehicles, biometrics, humanoid robotics & machine learning, in Germany.

As an educator, he trained several young innovators and mentored 120+ deep tech startups in the domain of advanced materials, healthcare, agriculture, aerospace, energy, automotive & biotechnology, globally.

As an artist, he has co-created several new media art installations for temporary and permanent exhibitions, which attracted more than 1.5 million visitors, in Germany, Australia & USA.

As an advisor, he supported several individuals, startups, accelerators, incubators, innovation hubs, corporates, investors, manufacturers, research institutions, universities, government initiatives, art galleries and social enterprises, globally.

As a community builder, he co-created and has been curating several communities for startups, sustainability, education & art, in Asia, Europe & Africa.