

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.

1 Personal

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LINKS: [GitHub](#), [LinkedIn](#), [Website](#)
CV UPDATED ON: 15th 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>Macsxperts, 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 Systems Engineer</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>Asiab=Berlin 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 2003	Associate's Degree in Multimedia <i>ARENA Multimedia, Chennai, India</i>

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 Languages

TAMIL:	Native proficiency
ENGLISH:	Bilingual proficiency
GERMAN:	Full professional proficiency
HINDI & URDU & MALAYALAM:	Limited working proficiency
RUSSIAN:	Elementary proficiency

4.2 Awards

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

4.3 Skills

Programming languages:	C, C++, C#, Java, Javascript, Python, MATLAB, Unix Shell Script
Frameworks/Library:	.Net, WPF, Silverlight, Boost, NodeJS, BackboneJS, ReactJS, MochaJS, CSS, HTML, WebGL, Arduino, Processing, OpenCV
Database/Cache:	MS SQL, My SQL, Postgres, MongoDB, Redis Cache
IDE:	Vim, Visual Studio, Xcode, Eclipse, uVision, WebStorm, PyCharm
OS:	Embedded Linux, Linux, Android, OSX, Windows
Communication Protocol:	Z-Wave, ZigBee, IEEE 802.15.4, I2C, SPI, Bluetooth, DALI, KNX, CAN
DevOp :	Ansible, Chef, ElasticSearch, Logstash, Kibana
Robotics:	AI, Machine Learning, Computer Vision, ROS, Aldebaran NAO
Electronics:	Semiconductors, Microcontrollers, Circuit Design, PCB design, PCB Etching, Digital and Analog sensors, Automation & Control Systems, Signal Processing
Fabrication:	3D printing, Sheet Metal fabrication, Laser Cutting, Welding, CNC Milling, Vinyl Cutting, Plotting
Multimedia:	2D Animation, Flash, Photoshop, Illustrator, 3D modeling, Fusion 360, Sketch Up

Cover Letter

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

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

More info at www.aravinth.info