



ASHOK KUMAR

Profile

Ashok is a T-shaped engineer and a passion-driven tech enthusiast with expertise and interest in a broad spectrum of industries.

As a professional for the past 5+ years, Ashok has taken up multiple roles from mentoring innovators & startups to consulting industrial organizations enabling them to accelerate the design, development, and commercialization of manufacturing-ready prototypes.

Seeking novel opportunities to explore, expand his skills and upscale his career.

Education History

↪ 2014 - 2017 | Info Institute of Engineering

Bachelor of Engineering

Electrical & electronics

↪ 2009 - 2012 | Sankara Polytechnic College

Diploma

Electrical & electronics

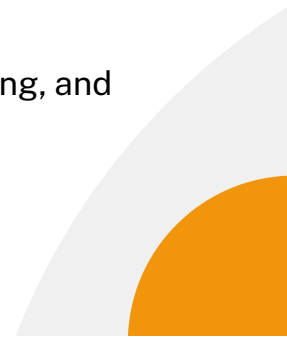


Work Experience

Technical Lead **Forge Accelerator, Apr 2020 - Present**

- Program Lead for various corporate consulting programs, boot camps, hackathons, and design workshops.
- Leading the end-to-end process of product development from ideation, design, and prototype building to deployment of sophisticated tech prototypes and solutions.
- Managing the outcomes of startups by helping them identify innovation opportunities, needs, and challenges and articulating them through a managed process of innovation.
- Leading the end-to-end deal sourcing/onboarding of strategic partners and managing the external stakeholders for the innovation programs.

Technical Associate **Forge Accelerator, Jul 2017 - Apr 2019**

- Mentored startups and enabled them to catalyze tech-enabled innovations through a business model that supports the same.
 - Offered technical support to early-stage startups to enable them to design and build prototypes, both quickly and cost-effectively
 - Played a key role in the design, 3D modelling, and development of several products including a swab collection bot, an affordable smart glove, a non-invasive glucometer, and building a wearable drive that offers 24x7 monitoring of asthma patients.
 - Offered expertise in 3D Printing, Digital fabrication tools, CAD modelling, and embedded hardware development to industrial organizations.
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Accomplishments

2021-2022 | Corporate program

- Ideated, designed, and executed multiple corporate programs/Bootcamps for early-stage startups, innovators, working professionals, educators & researchers by partnering with corporates - Wipro 3D, EoS, Tektronics, etc. Generated a substantial revenue stream and an integrated business model.

2020 | Social Innovation

- Built a semi-automatic swab collecting robot that collects swab samples without human interventions while mitigating the risk of COVID-19 transmission in May 2020 when COVID-19 just emerged. Worked with the district collectorate to deploy the prototype in the field.

2018-2019 | Product Innovation

- Mentored & co-created embedded hardware for an early-stage startup - "AIWA Healthcare Technology Pvt Ltd" to accelerate the design, development, and manufacturing of the product. The ability to do this in a short time span reduced their time to market and helped them gain the benefits of early entry.
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Skills

Technical Skills

- 3D printing & digital fabrication
- Design Thinking
- Concept development
- Model making
- Embedded hardware prototype development & programming
- PCB Design & Fabrication

Innovation skills

- Problem validation
- customer discovery
- Value proposition crafting & testing
- Product vision & pitch
- Grant proposal writing
- Milestone planning & reporting

Languages

- English
- Tamil

Contact Info

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Tools

- SolidWorks
- Fusion 360
- Sketchbook
- Eagle PCB design
- Figma
- Canva
- Keil, STM32 Cube & Arduino

Soft skills

- Product management
- Stakeholder management
- Persuasive communication
- Blogging



Ashok Kumar