

Abhinav Udupi

Innovation - It's all in your mind!!

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PASSION AND DRIVERS

I plan to keep my entrepreneurial journey on, to solve bigger and complex problems and for better causes.

I love to learn constantly and update myself technologically.

Proud of the fact that, other than academics and playing the piano all of the skills and knowledge is self learnt experientially, with no official/formal training

OPPORTUNITIES AND ACTIVITIES

AI Internship (June2020-current)

Currently working with Alpes.ai under guidance of Dr. Kumar Eshwaran on a NN based Machine Learning algorithm in the healthcare and Aquaculture domain to assist doctors and for easy diagnosis.

Indo-Russian Deep Technology Program at Sirius Educational Center, Sochi, Russia - a joint venture between AIM/NITI Aayog, India and The Russian Federation (Nov-Dec 2019)

Was a part of a 25 member Indian delegation to Sirius center, Russia as part of a Indian-Russian collaboration

Earned a Diploma in “Drones and Robotics” for the TechCHAI Robot, a robotic solution for automating tea plantation processes.

Internship at IBM Bangalore (Oct2019)

Attended a 15 day residential internship on AI, Design thinking, Cloud services, IoT and related technologies at IBM, Bangalore.

Earned National Recognition for presenting the “Pizza ordering ChatBot” solution built using IBM Watson Cloud Services and Machine Learning

Top 100 Innovators of India- Shortlisted as one of the top 100 young innovators of the country (2018)

Top 100 young innovators in the Atal Innovation Marathon 2018 by AIM.

My innovation: CAquaculture – an AI based smart comprehensive aquaculture pond management solution aiming at increasing yield and productivity of aquaculture farmers

Student-preneur- Nominated as the ATL Student-preneur of my school in 2018

Education

Indian Institute of Technology, Madras — Bachelors Degree

2021-2023

Pursuing B.Sc. in Programming and Data Science

Johnson Grammar School, Hyderabad — Pre Degree

2018-2020

ISC Syllabus with Physics, Chemistry and Mathematics as core subjects with English and Computer science.

Johnson Grammar School, Hyderabad — Matriculation

2017-2018

ICSE Syllabus with Science, Social Studies, Computer science and Mathematics as core subjects with English and Hindi.

KEY TECHNICAL SKILLS

Python, Java, C, HTML, Scratch, Arduino programming

Electronics, Prototyping and circuit designing and Fritzing

Working with Microcontrollers and Single-board-computers (Arduino and Raspberry Pi)

IoT, AI and cloud services (Google cloud, IBM Cloud, Thingspeak IoT)

App development

MENTORING and LEARNING EXPERIENCE

- Mentored and inspired more than **3000 students, graduates and working professionals** on various domains such as **AI, Programming, App development, IoT, Electronics, Microcontrollers**, etc.
- Conducted various community events such as **Raspberry Jams, Arduino Day, Scratch day** in many schools and corporate houses in and around Telangana and Karnataka – 2018 and 19 (Few schools include **Aga Khan schools**, Warangal; **Defense Lab school**, RCI; **Johnson Grammar School**, Hyderabad; **Tejasvi Vidyaranya**, Hyderabad)
- Conducted several **online courses** and **YouTube live sessions** during the lockdown period (2020) on topics of **AI, 3D modeling, and Programming**.
- Conducted **online workshops** on **IoT, AI and Machine Learning** for few college (**SNIST, Hyderabad ; SMVITM, Udupi**)
- ATL workshops in various schools across Telangana, Andhra Pradesh and Karnataka – 2018 and 19
- Technical Summer Camps in Hyderabad – 2017,18 and 19
- St Martin’s Engineering college, Hyderabad - Arduino day - 2017
- SB Technologies, Hyderabad - Arduino workshop- 2017, MIT App Inventor workshop - 2018
- Vibrant Educational Society, Peddapally, Hyderabad - Robotics workshop- 2017

Video references

My portfolio and activities

<https://youtu.be/rwpbd7BJgTs>

Atal tinkering Innovation marathon 2018 playlist

<https://bit.ly/37iWZ5f>

Edex article feature

<https://bit.ly/3oI0v1m>

Awards and Achievements

Was part of a Iceberg talk show in (June 2020)

Member of a Open House session (May 2020)

Shortlisted **top 100 young innovators** in Atal innovation marathon(2018)

Invited for a round table with **Nobel Laureate Dr. Kailash Satyarthi** in Delhi(2019)

1st and 3rd prize in Aikyatha annual fest (2017 and 2018)

Invited to be a **speaker at the Summer of Innovation Fest 2019** @ THub, Hyderabad (2019)

Trained more than **3000 students/graduates** on various focus areas(2016-till date)

Helped in setting up ATLs in schools from ground zero (2018)

Interests and Hobbies

Founder of “PILabs” hobby club

Nature Photographer(wildlife & landscape)

Drawing and acrylic painting

Playing Keyboard and Guitar

Ornamental Fish keeping and Aquascaping

Hydroponics, Aquaponics and organic farming

Go on nature tours, Trekking, hiking and camping