

Karthik Nandula

Email - kvnandula04@gmail.com

Website - www.karsidonline.com

LinkedIn Profile - www.linkedin.com/in/karthik-nandula

I am the Site Admin and Content Editor at KARSID. I am interested in the field of Computer Science and I like to see things differently. I have programmed various applications and have worked on several tech projects which have opened me to learning a wealth of technologies. I aspire to gain more experience by developing more software and plan to incorporate machine learning and artificial intelligence in the future.

Experience

Wordpress Web Developer and Site Manager, Beaulieu Community Centre (2019-Present)

- Using the new Gutenberg Editor in Wordpress
- Updating the website on a regular basis to direct visitors directly to what they need

Site Admin and Content Editor, KARSID (2016-Present)

- Establishing a website with shared hosting and Wordpress
- Configuring the theme and settings to reflect the features of a travel blog
- Using the Theme Editor to configure the backend
- Studying web traffic data
- Managing website media efficiently
- Writing travel blogs and tech related content consistently

Deputy Head Boy and Head of Computer Science, Beauchamps High School (2018-2019)

- Discussing ideas and making decisions in a collaborative way

Notable Achievements

Leader of STEM Club (2018-2019)

I led a team who designed and started to build a self driving robotic car with a Raspberry Pi 3 using Python.

- Raspberry Pi installation and setup
- Python programming with sensor integration
- Managing a team of 8 members

Udemy Instructor - Python Basics Bootcamp

Whilst learning Python, I became an instructor on Udemy by publishing the “[Python Basics - Bootcamp](#)” course. It now has over 20,000 students worldwide with a 4.3/5 rating and has encouraged me to continue publishing on the platform. Through the experience I learnt:

- **Teaching skills** - clear communication with an organised structure
- **Managing Course Content** - answering Q&A and making announcements
- **Python** - stronger foundational programming concepts

Alexa Skills Developer

I have been developing skills for Alexa as a side project and have learnt many new technical skills. I have over 10 skills in the Alexa Skills Store with over 10,000 users and have earned many rewards from Amazon for my achievements including an Alexa Echo Show device.

Other Achievements:

- Selected to represent school for **Junior UKMT Maths Challenge**
- Qualified to **Round 2** in the **Jack Petchey Speak-out Challenge**
- Started a **VR project that uses Unreal Engine and 3DS MAX** to develop a VR game
- **Won the Jack Petchey Award** in Year 10 for **leading a Programming Club**

Education

King Edwards VI Grammar School, Chelmsford (2019-Present)

Beauchamps High School, Wickford (2015-2019)

GCSE Results:

Maths - 9

Physics - 9

Chemistry - 9

Computer Science - 8

English Literature - 8

Biology - 8

Geography - 8

English Language - 7

French - 7

Skills

With the combination of multiple personal projects and collaborative ones, I have developed a wide range of technical skills and other useful skills that would collectively assist me in a work environment.

Programming Languages: **Python, Java, SQL, HTML**

Programming Environments: **ASK**(Alexa Skills Kit), **IntelliJ IDEA**, **Eclipse**, **Android Studio**, **Xcode**, **IDLE**

Amazon Alexa Development Tools: AWS, S3 Storage, Lambda, APL, EC2

Good Communication - With regular communicational skills, I can clearly convey my point whether it's direct or indirect communication through email for example. In a team environment, I can communicate efficiently and effectively.

Thinking Different - Through my projects, I discovered various possible solutions which have helped me think differently to combine the ideas and execute unique results.

Teamwork - When I work in groups, I am able to contribute with my own ideas and inspire ideas from others for them to be able to discuss as well.

Interests

I am predominantly interested in programming and I plan to learn about machine learning and artificial intelligence. I am also fascinated by robotics especially programmed with A.I to assist humans with particular tasks. I take inspiration from companies including Boston Dynamics who have developed many robots by incorporating physics, engineering and programming. This combination attracts me in particular.