

KARTHIK RAJ

Computer Science Undergraduate

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📍 Kochi, India

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EDUCATION

Bachelor of Technology

MITS (Muthoot Institute of Technology and Science)

📅 June 2016 – Present 📍 Kochi, India

- Curriculum : Discrete Computational Structures, Data Structures, Algorithms (Design and Analysis), Databases, Operating Systems, Distributed Systems, Soft Computing, Machine Learning, Data Science.
- Languages : Python, C, Java, Assembly Programming
- Gained experience in creating applications for managing various events within college, worked in teams to develop projects in Node.js.
- CPGA : 7.51 (upto 7th sem)
- Served as the Arts Club Secretary in MITS (2019-20)

High School and Primary School

Cochin Refineries School

📅 June 2004 – June 2016 📍 Kochi, India

- School Leaving Examination Aggregate: 92.8%
- Managed different events inside the school as both a House Captain (2015) and the School Head Boy (2016).
- Awarded the first in Yotta Innovation Category of Roborave All India Competition held in IIT Madras, February 2015.
- Developed a ticket booking application in C++.

ACHIEVEMENTS

- Special Mention, MITS Hackathon 2018. Ideated a blockchain based learning platform which could provide a credible education record for an individual.
- Part of Top 5 teams in TCS Blocakthon 2018 for demonstrating a blockchain based platform which could verify IDs to prevent forgery.

SKILLS

Proficient in:

Python • C • Javascript • Node.js • Angular • Git • HTML • CSS

Familiar with:

Agile • Java • C++ • React

PROJECTS

Brain Cancer Classification

- Developed a combination of binary classifiers to detect type of brain tumor based on MRI, and classify tumor into Meningioma, Glioma, or Pituitary Tumor.
- Stack : Python, Flask, HTML, CSS

Personal Portfolio Website:

<https://rajkarthik.me/>

- Developed a basic portfolio website for showcasing skills and recent projects by making use of the GitHub API.
- Developed an API which makes periodic API calls to GitHub and store the data.
- The website makes a single call to the backend API to retrieve all requested data and reduce processing and loading time for the user.
- Stack : HTML, CSS (Bootstrap), Javascript, Node.js, Express.js

Activity Points Finder

- Developed a web app to digitalize the submission and point awarding of extra curricular activity certificates for students and teachers.
- Can bring down the turnaround time of validating a certificate from 3-4 seconds to 1-2 seconds.
- Stack : Angular, Node.js, Express.js, MariaDB

MANAGEMENT EXPERIENCE

Licensee and Lead Organizer,
TEDxMITS

Muthoot Institute of Technology and Science

📅 Oct 2019

Responsible for end to end management of the event.

Vice Chairperson

CLIQUE, Assn. of Computer Science,
Muthoot Institute of Technology and Science

📅 2019-20

Responsible for planning and conducting technical and non-technical events for the students.