

# DEEPAN K S

Software Developer & Algorithms Enthusiast

Email : deepksami@gmail.com

Portfolio: deeps-01.github.io/My\_portfolio/

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## PROJECTS

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- **Parallel Programming using OpenMP** IIT Madras, Chennai, Tamil Nadu  
*Project under Prof. Rupesh Nasre* May 2023 - July 2023
  - In this project, I delved into parallelizing graph algorithms such as Single Source Shortest Path (SSSP) and Strongly Connected Components (SCC) using OpenMP in C++.
  - Conducted a comparative analysis between sequential and parallel execution times.GitHub: <https://github.com/Deeps-01/openMp>
- **Roto-Donations App Web Development** Rotaract Club NITK, Surathkal, Karnataka  
*Web app development* August 2021 - October 2022
  - As an active member of the Rotaract Club NITK Chapter, I took on the responsibility of designing a website for managing and tracking donations received by our club from various organizations.
  - My role primarily focused on crafting the frontend webpage.GitHub: <https://github.com/Deeps-01/roto-donate>
- **Additional Web Development Projects** Your Institution, Your Location
  - Apart from the aforementioned projects, I have also worked on various web development assignments utilizing HTML and CSS.
- **Personal Website Development** Your Institution, Your Location
  - I constructed a static personal website using Bootstrap packages, providing a showcase platform for my projects and achievements.Website: [deeps-01.github.io/My\\_portfolio/](https://deeps-01.github.io/My_portfolio/)  
GitHub: [https://github.com/Deeps-01/My\\_portfolio/blob/master/index.html](https://github.com/Deeps-01/My_portfolio/blob/master/index.html)

## EDUCATION

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- **National Institute of Technology Karnataka** Surathkal, Karnataka  
*B.Tech in Electrical and Electronics Engineering* 2020-2024
  - CGPA: 7.84
  - Minor degree in Mathematical and Computational Sciences
- **HAL Public School** Bangalore, Karnataka  
*High School (12th CBSE Board)* 2018-2020
  - Overall Average Score: 95%
  - Mathematics: 97%
  - Physics: 95%
  - Chemistry: 95%
  - Biology: 93%
  - English core: 95%
- **St. Thomas Public School** Bangalore, Karnataka  
*Secondary School (10th ICSE Board)* 2018
  - Overall Average Score: 94.83%
  - Mathematics: 98%
  - Science (Phy-A, Chem-A, Bio-A): 97%
  - Computer Applications: 99%

## CERTIFICATIONS

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- **Introduction to Data Science**  
edX  
Issued: September 2021  
Credential ID: aef4ffec25a04defbc30cc2475572eb6
- **Python Basics for Data Science**  
edX  
Issued: October 2021
- **Data Science: Visualization**  
edX  
Issued: November 2021  
Credential ID: 5c9a25a27fea420d8b74a85bcbcb60c19
- **Ask Questions to Make Data-Driven Decisions**  
Coursera  
Issued: December 2021  
Credential ID: 9R7EGVE2ZD88
- **Data Science Visualization - Module 2**  
DataCamp  
Issued: November 2021
- **Foundations: Data, Data Everywhere**  
Coursera  
Issued: November 2021  
Credential ID: MLYBB2F6AVQL

## PROFESSIONAL SUMMARY

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During my first semester in electrical engineering, I was introduced to the world of computer programming through the CS110 course. This course served as my gateway to foundational programming concepts, including Procedure-Oriented Programming, Object-Oriented Programming, and System Design. I was immediately captivated by the process of logical reasoning and implementing solutions to real-world problems.

This newfound passion led me to delve deeper into the realm of computer science. Eager to expand my knowledge, I enrolled in a Data Structures and Algorithms course offered by GeeksforGeeks, a renowned online platform for computer science education. It was during this course that I developed a profound appreciation for the intricacies of algorithms and the art of optimizing time complexity to address various computational challenges.

In addition to participating in coding competitions, I also had the opportunity to mentor junior members by conducting classes and sharing my knowledge. One of the highlights of my involvement was delivering a comprehensive presentation on Dynamic Programming, a topic that I am particularly passionate about. This experience allowed me to further solidify my grasp on the subject while also helping others enhance their understanding.

During my 5th and 6th semester of BTech, I completed the elective courses: EE319 Neural Networks and Applications, EE432 Machine Learning, EE343 Statistical Foundations for Electrical Engineers and MA202 Discrete Mathematical Structures. These courses have fueled my passion for computer science, empowered me with the knowledge and skills to excel in this field.

I have completed edx courses on introduction to data science where I learnt about big data, python basics for data science where I also learnt about APIs (Application Program Interface) and Web Scrapping. I attended a Data Visualisation code camp using R script code. I completed the courses 'Foundation:data,data everywhere' and 'Ask Questions to make Data-driven decisions' offered by Google in the Coursera platform which are part of data science program, where I learnt SQL.

In addition to my interest in computer science, I have always had a deep-rooted love for mathematics from a young age. This passion for mathematics has further fueled my enthusiasm for exploring complex algorithms and finding innovative solutions to challenging problems.

## HOBBIES

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- Playing the piano and guitar daily
- Playing badminton every weekend
- Playing chess once a week

## CONTACT INFORMATION

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