Basavaprabhu S

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Objective

To join a progressive organization where i find immense learning opportunities, growth prospects and make the optimum use of my knowledge to achieve professional excellence in my area of work.

Education

- **South Asian University, New Delhi** 2022
  MSc Computer Science
  CGPA 7.41/9
- **P.E.S College of Engineering, Mandya** 2016
  B.E Computer Science and Engineering
  CGPA 9.01/10
- **Nisarga Independent PU College, Kollegal** 2012
  Class 12
  83.83%
- **St Mary's English High School, T Narasipura** 2010
  Class 10
  82.72

Skills

- C Programming
- Python
- HTML
- CSS
- JavaScript
- Data structures and algorithms
- SQL

Projects

- **“GPS Based Mechanic Shop Finder App” using Android platform.**
  In today's world, everything has been computerized. Be it in any field, we use the internet. When a vehicle is broken down in the middle of the journey, we will not be able to repair it. We would ask a passerby for the nearest mechanic shop. What if there are no mechanic shops around us? To overcome such difficulties, we would take the help of our friend “The internet”. This led to the development of our project which is a mechanic finder app. The focus was mainly on android because; its market is more than the other operating systems. This led to the development of an android app using GPS.
- **"Approximation algorithm for Static Batch Processing of Lightpath Requests (SBPLR) in elastic optical network".**
  Lightpath is a path from source to destination in the optical network. In EON(Elastic Optical Network), when lightpath requests arrive, they are served for lightpath allocation under the given condition of spectrum resources of each link. The batch processing method for lightpath requests is intended to efficiently utilize the spectrum bandwidth, which forms several batches from all lightpath requests based on the number of links of their routes and the number of required slots. This work proposes an approximation algorithm for creating the batches of lightpath requests by minimizing the cost factor associated with it and providing a performance guarantee for the same. This work has been published in IEEE Networking Letters 2022 with the title "BPA: Approximation Batch Processing Algorithm for Static Lightpath Requests in Elastic Optical Network" where I have co-authored.
- **Fun Projects**
  Built a replica of home pages of Codechef, a platform coding contests and Facebook using HTML, CSS and Javascript.