

# RAJESH KUMAR G A

STUDENT OF NIT DURGAPUR

Department of Computer Science & Engineering  
National Institute of Technology, Durgapur(M-Tech)  
rajuloki046@gmail.com, rajuloki046@yahoo.com  
webpage : <https://rajeshkumarga.github.io/>  
Linkedin :<https://www.linkedin.com/in/rajeshkumarga/>  
Github : <https://github.com/RajeshkumarGA>  
+ 91- 9980853961

## CAREER VISION

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To work in a challenging environment demanding all my skills and efforts to explore and adapt myself in different fields and realize my potential where I get the opportunity for continuous learning.

## CAREER SUMMARY

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- An innovative thinker, initiative taker and multi dimensional professional with exceptional logical and analytical skills.
- Quick learner and ability to work under pressure.
- Experience in designing,developing,implementing and testing computer-based hardware and software.
- Possess good management and organizational skills and Ability to handle multiple tasks.
- Good motivator, enthusiastic and open to learn new ideas.

## RELEVANT EXPERIENCE

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- Department of Computer Science & Engineering, National Institute of Technology, Durgapur.  
**Project Associate** : prof. Goutam Sanyal , Computer Vision Lab, NIT Durgapur.
- **Lab Assistant** : prof.Goutam Sanyal and prof.Dakshina Ranjan Kisku->Image processing Lab,NIT-D.
- **Lab Assistant** : prof. Tanmay De --> DataStructures Lab, NIT-D.
- Department of Computer Science & Engineering, M S Engineering College Bangalore .  
**Project Fellow** : prof. P.V Reddy M S Engineering College Bangalore.

## TECHNICAL SKILLS

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- Programming languages : C , C++, Core Java ,python-2.
- Web Skills : Html & Css (Bootstrap).
- Tools : Eclipse,Turbo-C ,Pycharm,MatLab,open cv python,Machine learning(CNN).
- Operating systems : Ubuntu,Windows.

## EDUCATIONAL QUALIFICATIONS

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- Master of Technology in Computer Science & Engineering (NIT Durgapur, CGPA – 8.16/10).  
*National Institute of Technology, Durgapur , India.*
- Bachelor of Engineering in Computer Science & Engineering (VTU , Percentage – 60.76 %).  
*MS Engineering College, Bangalore, India.*
- Intermediate (CBSE Board, Percentage – 65.40%)*Jawahar Navodaya Vidyalaya Chikkaballapura.*
- High School (CBSE Board, Percentage – 78.40 %).*Jawahar Navodaya Vidyalaya Chikkaballapura.*

## PROJECTS

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- **Project Title:** “*Dynamics of Facial Expression Extracted Automatically from Video or images Using CNN*”.  
Developed convolutional neural networks (CNN) for a facial expression recognition task. The goal is to classify each facial image into one of the seven facial emotion categories like Angry, Disgust, Fear, Happy, Sad, Surprise, and Neutral. and shows the percentage of each emotion in a face on a frame.
- **Project Title:** “*Efficient and secure content processing across data transmission*”.  
Approach that addresses data integrity and confidentiality in content adaptation and caching by intermediaries. It permits multiple intermediaries to simultaneously perform content services on different portions of the data. This protocol supports decentralized proxy, key management and flexible delegation of services.

## OTHER PROJECTS

- **Simple Encryption and Decryption:** Developed Simple login based Encryption system which can select file from system and encrypt the text and select an image from system and take input text and hide in the image . And corresponding decrypters
- **Artificial Neural network Assignments:** Implemented k-means Clustering algorithm and The Traveling Salesman Problem using Matlab.
- Developed a 9x9 **Sudoku game** using java.
- Developed a One page **personal Website** (<https://rajeshkumarga.github.io/>) .

## PAPER PRESENTATION AND RESEARCH

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- Paper id:239,Title: **Facial Emotion Analysis using Deep Convolution Neural Network** paper have been accepted for presentation in the IEEE International Conference on Signal processing and Communication (ICSPC17)
- PaperID:ICCIDS-2017-411,Paper Title:**Discriminating Real and Fake Smile Using Convolution Neural Network**,has been ACCEPTED to publish in the International Conference on Computational Intelligence in Data Science (ICCIDS-2017) and indexed in IEEE Xplore Digital Library.
- Paper 413 **Determine Attention of Faces through Growing Level of Emotion using Deep Convolution Neural Network** is accepted for presentation and publication in IEEE International Conference on Intelligent Computing, Instrumentation & Control Technologies (ICICT-2017) .

## TRAININGS

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Undergone Java and J2EE course in utara InfoSolutions Pvt.Ltd from September 2011 to January 2012

## POSITIONS OF RESPONSIBILITY

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- Competitive Programming classes for B-Tech 1st Year Students
- Elected as Hall Represent of Hall 9 (Satyendra Nath Bose Hall of Residence) NIT Durgapur
- Lead the SPORTS CLUB and SCOUTS TROOP in my school and college.
- Worked as an organizer for 'Cultural and Sports' events in my College and Hostel.

## ACHIEVEMENTS & PARTICIPATION

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- Qualified all india **GATE Exam**.
- Programming Contests: Actively participate in online programming contests(HackerRank) and have Secured **7000\* rank and 4 star coder in algorithms**(<https://www.hackerrank.com/rank/domains>).
- Secured **3<sup>rd</sup> place** at regional level Collage Competition .
- Participated in International Level Science Talent Exam & Secured 1<sup>st</sup> in school level.

## HOBBIES

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Competitive Coding | Internet Surfing | Solving Sudoku and rubik's cube | Listening to music | Reading Books.

## DECLARATION

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I hereby declare that the information furnished above is true to the best of my knowledge.

Place :  
Date :

Signature  
Rajesh Kumar G A