

RAKESH BAL

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EDUCATION

Indian Institute of Technology Kharagpur

Undergraduate

Department of Computer Science and Engineering

July 2016 - Present

Overall CGPA: 9.56/10

Baxi Jagabandhu Bidyadhar Junior College

Intermediate In Science

+2 Science

July 2014 - May 2016

Overall Percentage: 89/100

St. Joseph's High School

Indian Certificate of Secondary Education

Matriculation

April 2011 - May 2014

Overall Percentage: 96/100

TECHNICAL STRENGTHS

Programming Languages

C,C++, MATLAB/Octave, Python

Software & Tools

LaTeX, ROS, Git, OpenCV(C++), Qt

Web & Development

HTML, CSS, JavaScript

EXPERIENCE

Autonomous UnderWater Vehicle

IIT Kharagpur

March 2017 - Present

- Implemented Bash Scripts for automating tasks at startup.
- Implemented Canny Edge Detector as part of Edge Detection using OpenCV in C++.
- Implementing Faster R-CNN for Object Detection and Localization.

ACADEMIC ACHIEVEMENTS

Ranked in National Top 0.014% (amongst 13,00,000 candidates) in JEE Mains 2016 and Top 0.13% (amongst 200,000 candidates) in IIT-JEE Advanced 2016

Qualified Kshore Vaigyanik Protsahan Yojana (Written and Interview) in SX stream (Organized by IISc) with an All India Rank of 191.

Qualified National Talent Search Examination conducted by NCERT in Xth standard and had secured 3rd rank in the state level stage of the exam.

Qualified National Standard Examination in Physics, Chemistry and Astronomy in XII standard.

RELEVANT COURSES

Core Courses

Programming And Data Structures

Algorithms-I(ongoing)

Discrete Structures(ongoing)

Mathematics-I

Mathematics-II

Other Courses

Machine Learning (Coursera)

CS231n Andrej Karpathy(ongoing)

POSITION OF RESPONSIBILITY

Spring Fest 2016

Crew Member

January 2017 - Feb 2017

IIT Kharagpur

- Managed the performance of international artists during fest.
- Successfully organized Shuffle Event and prepared music tracks for the event.
- Managed the Youth Marathon during the fest.

EXTRA-CIRRICULAR ACTIVITIES

Secured 4th position in Quiz held by Institute Of Physics, Bhubaneswar.

Represented LBS Hall in Inter Hall Maths Olympiad General Championship.

Secured 5th position in Rakesh Memorial Chess Championship in Puri.