

RAJAT KUMAR

3rd Year CSE Undergraduate

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Bhubaneswar, India

EDUCATION

B.Tech & M.Tech in Computer Science

IIT Bhubaneswar

July 2017 – Present

CGPA - 8.30/10.0 (Upto 4th Sem)

Central Hindu School (Class XII CBSE)

BHU, Varanasi

July 2015 – May 2017

Percentage - 94.2%

PROJECTS

Contest Reminder

June 2019

- Created a web application using PHP as Back-end, which notifies about upcoming coding contests on various coding platforms like Codechef and Codeforces.

Hand-Written Digit Recognition

May 2019

- Developed a Convolutional Neural Network(CNN) model to predict hand written digits on classic MNIST dataset.

Fuel Efficiency Prediction for Automobiles

May 2019

- Used Multi-variate regression on the classic Auto MPG Dataset for predicting the fuel efficiency of various automobiles.

Web Development

Dec 2018

- As a core head of development team of a socio cultural fest, developed and handled numerous websites for fest.
- Major accomplishments includes Kryptex, the online puzzle game which provides an individual a platform to harness their mental skills.

Object Detection (Research Project)

Feb 2019-Apr 2019

- Worked under the guidance of Ph.D Scholar, object Detection, my work was to stitch the track-lets generated by object tracker "yolo deepsort" to detect number of objects passing through frame in real time.

ACHIEVEMENTS

- Participated in ACM-ICPC (2018) regionals Kharagpur
- Codechef 4 Star Rating:-1856 1937 (highest)
- Ranked in Top 0.6% amongst 1,200,000 in JEE MAIN 2017

SKILLS

C C++ Python PHP MySQL
HTML CSS Octave

FIELD OF INTEREST

- Competitive Coding
- Web Development
- Machine Learning

COURSEWORK

- Data Structure
- Design and Analysis of Algorithms
- Probability and Statistics
- Discrete Mathematics
- Operating Systems (ongoing)
- Formal Language and Automata Theory (Ongoing)

EXTRA-CURRICULAR

Core Member

Neuromencers-Coding Club of The Institute

Aug 2016 – April 2017

NSS Student Head

NSS IIT Bhubaneswar

2018-19

Web Core Head

Alma Fiesta, Socio-cultural Fest

2017-Present