

KARTIKEY TEWARI

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Website: <https://kartikeytewari.github.io/blog/>

EDUCATION

National Institute of Technology, Hamirpur

August 2017 - Present

B.Tech and M.Tech Computer Science and Engineering

CGPA: 7.38

Coursework: DS, Algorithms, Computer Architecture, Discrete Mathematics, Statistics, Theory of Computation, Advanced Database Management System

Other Courses: Web Developer Bootcamp , Arcade Game in JS Bootcamp, Introduction to Shell Scripting

Delhi Public School, Vidyut Nagar

June 2015 - May 2017

Intermediate School

Percentage: 92.8

COMPETITIVE PROGRAMMING EXPERIENCE

Specialist at Codeforces with Rating of 1432

Four star at Codechef with Rating of 1815

SOFTWARE PROJECTS

Research Internship at NIT Hamirpur

May 2020

Defined a new data structure as a replacement for segment tree for resolving queries on transitive functions in efficient manner. The research paper is currently under peer review by the journal Information Systems (SCIE).

Research Paper on parallel wavellet tree

July 2020

Performed regression testing on a new algorithm for parallely generating wavelet tree, on multi-core systems.

Image Steganography

June 2020

<https://github.com/kartikeytewari/Image-Steganography>

Performed encryption on messages and then steganographed them on host images.

The Color Ninja game

April 2020

<https://kartikeytewari.github.io/Color-Ninja/>

A open-source color game, where the user is given RGB values and have to decide what would be the resulting color in a group of randomly generated colors, according to an AI algorithm.

Yelpcamp

April 2020

<https://lit-castle-88740.herokuapp.com/>

A webiste for posting reviews about diffrent places one visits.

Tennis Game

March 2020

<https://kartikeytewari.github.io/Tennis-Game/>

A open source game with AI gamming engine based on the retro tennis game.

Movie info app

January 2020

<https://movie-gnome.herokuapp.com/>

A website to get information about different movies. It uses the OMDb API.

AWARDS AND RECOGNITIONS

Spotted bug in Microsoft Win10 Powertoys

May 2020

Meritorious Student Award

CBSE

In recognition of securing cent percent marks in Intermediate Mathematics exam

July 2017

NTSE Scholar

Government of India

In recognition of talented students in academics

May 2015

TECHNOLOGIES

Day-to-day familiarity: C, C++, Bash, ZSH, Unix, Linux, HTML, CSS, EJS, Javascript, NodeJS
Express, MongoDB, Mongoose, MongoDB Atlas

Somewhat familiarity: OpenSSL, Bootstrap, Semantic UI, JQuery, MySQL, Git, Github, Heroku
HowlerJS, PaperJS, PassportJS, LaTeX