

Prakash Jha

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INTERNSHIP EXPERIENCE

TCS Innovation Lab — *Performance Engineer* MAY - JULY 2019

Optimised code using appropriate data structures, algorithms and compiler optimisation techniques. Reduced latency on single core by 62% and multi-processed the program to bring overall execution time to 0.09x.

Tactical Tensors — *Full stack developer* FEB - APRIL 2019

Responsible for developing website and integrating it with Machine Learning packages at backend. I built a simple, reliable and user friendly UI at frontend and also ensured scalability, security and robustness at backend.

VOLUNTEERING EXPERIENCE

Gyansagar — *NITS CIT Head* AUGUST 2018 - APRIL 2019

I took the lead role in developing a structured course and also managed the programme of NIT-Certification in Information Technology.

Led the developers team to build a website for Gyansagar.

EDUCATION

National Institute of Technology, Silchar — *B.Tech*

CPI : 8.55 / 10.0

AUGUST 2016 - PRESENT (Expected : MAY 2020)

Jay Ambe Vidyabhavan, Vapi - (*Class 12, Gujarat Board*)

Percentage : 92.4

JUNE 2015 - MAY 2016

Modern School, Vapi - (*Class 10, Gujarat Board*)

Percentage : 91

MAY 2014

PROJECTS

Exam Assessment Tool (JANUARY 2019)

A website built using Django and SQLite to take MCQ based examination and give instant results.

File Organizer (JULY 2018)

A GUI utility tool built in python with tkinter to manage bulk files.

Maximum Independent Set (MARCH 2018)

Research project to find solutions to optimization problem of finding maximum independent set/ minimum vertex cover/ max clique.

SKILLS

Data Structure and Algorithms


Programming Languages : C++, Python


Web Development : HTML, Django


Database Management : MySQL

Tools : Git, VSCode

OPEN SOURCE

 Added Segment tree to Node js Algorithms library

 Translated and updated article on common tangents to two circles

 Algorithms and Data Structures library in C++

ACHIEVEMENTS

Smart India Hackathon 2019 winner of problem statement by MathWorks

Global rank 6 and India rank 1 in TCS Codevita-7 finale

TCO 19 India Regionals, ranked 10th in Algorithm track.

Ranked 14th at Techgig CodeGladiators 2019 finale.

2nd runner up in NITS-Hacks 2.0 by GoIbibo

NIT Conclave Software module winner

Solved 1000+ programming questions

LANGUAGES

English, Hindi, Maithili, Gujarati

HOBBIES

Bicycling, Chess, Photography, Poetry