Nalin Bhardwaj

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nibnalin.me

education

UC San Diego
Majors: Math, Literature
ACM UCSD: Technical Director and Board Member
Sep 2020 - June 2020

Delhi Public School, Faridabad
High School
Principal's Gold Medal
Class of 2018

skills

C++
Go
JavaScript
NodeJS
Python
HTML
CSS
CoffeeScript
Wolfram
Perl

Django
Docker
gRPC

links

GitHub: nalinbhardwaj
GitLab: nibnalin
LinkedIn: nibnalin

references

Christian Pasquel
Manager, Wolfram Research
christianp@wolfram.com

John Vandenberg
Maintainer, coala
jayvdb@gmail.com

experience

Intern, Wolfram Research Inc.   December 2018 - May 2019

Researched and implemented Ethereum components and services such as the Ethereum Virtual Machine (EVM) for Wolfram language and related products.

honors

International Olympiad in Informatics contestant   August 2017

Member of Indian contingent at the International Olympiad in Informatics (IOI) 2017 held in Tehran, Iran. Over 80 countries participated in the contest.

Asia Pacific Informatics Olympiad Bronze Medallist   May 2018

Bronze medallist in Asia Pacific Informatics Olympiad (APIO) 2018, ranking first from Indian contingent.
Honourable Mention in APIO 2017.

Google Code-In Grand Prize Winner   December 2017 - January 2018

Used a range of skills, like coding, design, quality assurance, research, and outreach, to contribute to open-source software.
Selected as a Grand Prize Winner from over 12,000 contestants worldwide.

Apple WWDC Swift Student Scholarship   March 2020

Won a scholarship for developing an iOS Swift app. Selected from 10,000+ students worldwide.

open-source software

autocomplete-python
Wrote an elaborate test suite for autocomplete-python, an Atom package with more than 1.5 million downloads (top 15 by most downloads).

coala
Contributed 50+ commits and 30+ code reviews to coala, a language independent code analysis toolkit. Google Summer of Code 2018 mentor on project "coala language server". Hosted coala's PyCon India 2018 DevSprint.

DuckDuckGo
Contributor to the popular privacy-protecting search engine. Worked on 20+ Instant Answers including Weather Forecast, Timer etc.

publications

A Simple Algorithm for Minimum Cuts in Near-Linear Time   June 2020

Co-authored research paper featured in SWAT 2020 (17th Scandinavian Symposium and Workshops on Algorithm Theory) presenting a simplification of the state-of-the-art algorithm for finding minimum cuts in graphs. Our implementation is the only known open-source implementation of a near-linear time minimum cut algorithm.

Shadows of Stained Glass   May 2020

Authored an analytical study of animated horror films read more than 200k times online. Featured #1 on Hacker News and as a title story in Journal of Geek Studies Vol. 7(2).