

education

UC San Diego

Majors: Math & Literature

ACM UCSD: Board Member

Sep 2019 – June 2020

Sep 2021 – Present

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

Full-time Software Engineer, Lunchclub

September 2020 – August 2021

Engineer focusing on product ideas and backend and machine learning.

Designed current landing page (+10% conversion rate), key member of ML team that led largest ever (>5 stdev) user happiness increase via improved matching, wrote and refactored critical code for performance and quality.

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

Selected as a Grand Prize Winner from over 12,000 contestants worldwide for contributions to open-source software.

Apple WWDC Swift Student Scholarship

March 2020

Awarded scholarship for developing an iOS Swift app amongst 10,000+ students.

open-source software

coala

2017 – 2019

Contributed 50+ commits and 30+ code reviews to coala, a code analysis toolkit. Google Summer of Code 2018 mentor on project "coala language server".

DuckDuckGo

2014 – 2018

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

Personal projects

Popular side projects including shiit-coin — blockchain on Google Sheets (75+ stars), WordLines — mobile zero-knowledge game with NFT awards (25+ stars)

publications

A Simple Algorithm for Minimum Cuts in Near-Linear Time

June 2020

Co-authored research paper featured in SWAT 2020 presenting a simplification of the state-of-the-art algorithm for finding minimum cuts in graphs. (8 cites)

Essays

July 2018 – Present

Authored popular essays read over 500k times on my website. Including:

"Shadows of Stained Glass" — #1 on Hacker News and in Journal of Geek Studies

"Duolingo: The Antithesis to the Bazaar" — featured front page of Hacker News

"Bellman's Curse on Advice" — featured on LessWrong

"Doriella Du Fontaine" — top post on r/popheads subreddit

