

(+91) 8308837279  
Pune, Maharashtra  
nik.3731@gmail.com

# Nikhil Bhave

## B.Sc. Computer Science

www.nikhilbhav.com  
github.com/nikhilbhav9  
linkedin.com/in/nikhil-bhave-b3671516b/

An Undergraduate Computer Science major with interests in Web development, Blockchains and Micro-architecture, along with Psychology and Digital Humanities, looking for 2023 job opportunities

### SKILLS

<b>Languages &amp; Frameworks</b>	Python, C, C++, Javascript, React, R, Solidity, HTML, CSS
<b>Tools &amp; Applications</b>	Docker, Hyperledger Fabric, Octave GNU, $\text{\LaTeX}$ , RemixIDE, ArduinoIDE
<b>OS and MicroArch</b>	MIPS assembly, xv6 (MIT), SniperSIM Simulator, VANS, NVMAIN
<b>Communication</b>	English, Marathi, Hindi, German
<b>Miscellaneous</b>	Video Editing (Premiere Pro/DaVinci Resolve), Photography, Videography

### WORK EXPERIENCE

#### CALSOFT - SWE Intern

July 2022 — Sept 2022

A product-engineering services firm, working in Storage, Networking, Virtualization, Cloud, IoT and Analytics

Pune, MH

- Built a resume parser in **Python** for Calsoft's Talent Acquisition team to parse through, on average, 80-150 resumes daily
- Created and deployed a full-stack implementation of the same using **React** and **Django** REST API

#### COSys RESEARCH GROUP - Research Intern

June 2021 — December 2021

Supervised by Dr Manu Awasthi, Ashoka University

Remote

- Worked on implementing the paper *Prefetching in Hybrid Main Memory Systems*:  
[https://www.usenix.org/system/files/hotstorage20\\_paper\\_v.pdf](https://www.usenix.org/system/files/hotstorage20_paper_v.pdf)
- Created a memory simulation pipeline, in **C++**, using SniperSIM, NVMain and VANS simulators
- Research funded by Huawei Technologies Co. Ltd.

### TECHNICAL EXPERIENCE

#### Notion Flashcard App

July 2022 — Aug 2022

An app to convert notes from Notion, a note-taking software, into practice-able flashcards

Pune, MH

- Utilized the Notion API to build a server-side application using **NodeJS**.
- Built an API interface to fetch data from a Notion database
- Created a client-facing **React** application to render the flashcards
- Project can be found [here](#)

#### Randomness Beacon - Ethereum

April 2022 — May 2022

Under supervision of Dr Mahavir Jhawar, Ashoka University

Sonipat, HA

- Implemented a random number generator using the inherent entropy of Ethereum blocks
- Allows a user to generate a 256-bit random number approximately every 15 seconds
- Wrote the generator in a **Solidity** smart contract and deployed it on the Kovan testnet
- Developed a front-end using **React** to host the project (can be found [here](#))

#### 'EZY' Compiler

November 2021 — December 2021

Under supervision of Dr Shrawan Kumar, Ashoka University

Sonipat, HA

- Attempted to create a mini-compiler for a mock programming language called 'EZY'
- Used the **PLY (Python Lex-Yacc)** tool for parsing through high-level code
- Created a custom symbol table and wrote semantic checks for the same
- Project can be found [here](#).

### EDUCATION

#### Bachelor's in Computer Science, Ashoka University

2019 — 2023

GPA: 3.58/4 (8.95/10)

Teaching Assistant: Introduction to Digital Humanities (under Dr Johannes Burgers) - Monsoon 2021.

Received aggregate student feedback of 4.72/5

Relevant Courses: Algorithm Design & Analysis, Introduction to Machine Learning, Operating Systems, Programming Language Design Implementation, Introduction to Digital Humanities, Computer Networks, Blockchain and Cryptocurrencies

Dean's List: Monsoon 2019, Spring 2020

#### HSC (Commerce), BMCC, Pune

2017 — 2019

Cummulative Percentage: 92%