Nikhil Bhave

B.Sc. Computer Science

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

SKILLS

Languages & Frameworks	Python, C, C++,Javascript, React, R, Solidity, HTML, CSS, Bootstrap
Tools & Applications	Docker, Hyperledger Fabric, LaTeX, RemixIDE, ArduinoIDE
OS and MicroArch	MIPS assembly, xv6 (MIT), SniperSIM Simulator, VANS, NVMAIN
Communication	English, Marathi, Hindi, German
Miscellaneous	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
- 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 *(link)*   **July 2022 — Present**
An app to convert notes from Notion, a note-taking software, into practice-able flashcards
- 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

Randomness Beacon - Ethereum *(link)*   **April 2022 — May 2022**
A random number generator based on inherent entropy of Ethereum blocks
- Allows a user to generate a 256-bit random number approximately every 15 seconds
- Wrote the generator as a **Solidity** smart contract and deployed it on the Kovan testnet
- Developed a front-end using **React** to host the project

Build My Trip *(link)*   **October 2020 — December 2020**
An e-travel web application for booking hotels
- Developed a full-stack **MERN** app to render hotel listings, wish-list hotels, calculate availabilities authenticate users
- Built a robust front-end using **React**, Material UI and Bootstrap
- Build a backend with **NodeJS**, **Express** and **MongoDB**

EDUCATION

Bachelor's in Computer Science, *Ashoka University*   2019 — 2023
GPA: 3.58/4 (8.95/10)
Teaching Assistant: **Computer Networks** (under Dr Mahavir Jhawar) - Monsoon 2022
Teaching Assistant: **Introduction to Digital Humanities** (under Dr Johannes Burgers) - Monsoon 2021
Relevant Courses: Algorithm Design & Analysis, Computing in the Cloud, Operating Systems, Programming Language Design Implementation, Computer Networks, Blockchain and Cryptocurrencies
Dean's List: Monsoon 2019, Spring 2020

HSC (Commerce), *BMCC, Pune*   2017 — 2019
Cummulative Percentage: 92%

CERTIFICATIONS

The Complete Web Development Bootcamp, Udemy   September 2022
(*Link* to certificate)