

# Vivek Singh

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## EDUCATION

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- **Indian Institute of Technology Guwahati** 7.35/10  
*MTech Computer Science and Engineering* 2020 – 2022
- **University Institute of Engineering and Technology Chandigarh** 5.51/10  
*BE Computer Science and Engineering* 2014 – 2018

## EXPERIENCE

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- **Freelanceing**  
*Freelance software developer* April 23 - Present
  - **Blogging Platform for Client Organization:** Built a user-friendly blogging platform for a client organization. It lets users easily sign up, log in, share content, and leave comments. This helps the client organization communicate better and showcase their achievements. [Link](#)
  - **User-Centric Car Booking Platform:** Designed a user-centric website for a client that simplifies the car booking process. This platform streamlines vehicle selection and reservation, offering a convenient solution for users seeking reliable transportation services. [Link](#)
  - **Cryptocurrency Arbitrage Bot:** Created an advanced cryptocurrency trading bot that identifies price differences on decentralized exchanges and automatically executes profitable transactions using smart contracts. Demonstrated expertise in cryptocurrency trading and automation, resulting in substantial profits.
  - **Liquidation bot:** Created a bot capable of identifying unhealthy loans on the decentralized lending platform known as Aave V2. This system could then take action to liquidate the loans using smart contracts and generate profits.
- **Cogoport** Mumbai  
*Associate software engineer* July 22 - March 23
  - **segmentaion tool:** Collaborated with the team to develop an segmentation tool. This tool streamlines the process of filtering and categorizing customers based on customizable filters, enhancing the organization's customer targeting and engagement strategies.
  - **campaign tool:** Contributed to a team effort in the development of campaign automation tools enabling the delivery of promotions through email, WhatsApp, and SMS. Successfully integrated customer segmentation capabilities for precise and effective targeting, optimizing marketing campaigns and customer engagement strategies.

## PROJECTS

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- **Custom C++ STL-Like Library:** Worked on a personal project to develop a C++ library inspired by the C++ Standard Template Library (STL), encompassing key components such as vectors, arrays, iterators, forward lists, dequeues, lists, queues, stacks, and algorithms.
- **E-commerce Platform:** Developed an e-commerce platform that allows administrator with product management capabilities like adding and removing product, offers customers an intuitive product filtering experience, and a login/signup system.

## TECHNICAL SKILLS

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- **Languages:** JavaScript, Typescript, Python, Java, C, C++, Ruby, HTML/CSS, PostgreSQL, Solidity.
- **Technologies/Frameworks:** Spring boot, Express, Nodejs, Nextjs, React, Tailwind css, Ruby on Rails
- **Developer Tools:** Git, Docker, AWS

## ACHIEVEMENTS

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Cracked the Gate exam and secured a position in the top 5%.