

# JIVANSH SHARMA

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## Education

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### Ashoka University

Bachelor of Science in Computer Science

Aug. 2021 – May 2025

Sonepat, Haryana

### Delhi Public School, Noida

Physics, Chemistry, Maths And Computer Science

Mar. 2007 – Jun 2021

Noida, Uttar Pradesh

## Experience

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### Apni Kaksha

Software Engineer Intern

August 2021 – Present

Vasant Kunj, Delhi

- Led development of a Remote Code Execution Engine capable of handling 10,000 concurrent requests using React and Docker Link
- Created 12 screens and 8 re-useable components using React-Native for mobile app with over 100,000 downloads – Link
- Migrated main codebase to React to handle daily traffic of 2000 visitors - Link
- Setup admin dashboard and backend to streamline data using CoreUI, React, and NodeJS

### Seagull Adhesives

Software Engineer Intern

April 2021 – August 2021

Noida, Uttar Pradesh

- Developed company website to increase user interaction and traction by 70% – Link
- Integrated CI/CD pipelines and migrated web hosting to Vercel
- Removed redundant code and improved code quality and modularity using NextJS and TailwindCSS
- Led development for cross platform mobile app made with Flutter, with RazorPay integration to improve ecommerce

## Projects

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### Kiba: Remote Code Execution Engine | React, Redux, Docker, NodeJS



- Created a secure and fast code engine + frontend interface for running code snippets in Java, C++ and Python
- Implemented UI with multiple themes, syntax highlighting, auto-complete, and modularity – allowing for specific running instructions. Eg: input args, time and memory limits
- Configured the engine to create new containers for each new Job, returning in a success, transitional and failure state
- Integrated CI/CD using Github Actions
- Currently in Beta testing with the ability to handle over 10000 concurrent users

### Elvis - The Discord Bot | Python, LavaLink, Digital Ocean, SQL



- Developed the only Bilingual Music + Moderator Discord Bot using Python and Digital Ocean
- Licensed to famous rapper TheKidLaroi to use in his own discord sever with more than 400k members
- Independently installed in over 30 servers with over 25k daily user interactions
- Created a Linux virtual machine to run on Digital Ocean so that the program is able to run everyday from the cloud
- Implemented MySQL to determine user-bot relationship and moderator functions

### AlgoVisualizer | Flutter, Material Design



- Created an Android application using Flutter and BLoC to visualize 8 popular sorting algorithms
- Implemented 3 different modes and 5 themes to make the experience more interactive
- Utilized the Material Design documentation made by Google to design
- Used to explain algorithms and visualize algorithms in CS classes in 3 educational institutes

### Wake Up! | Flutter, Nodejs, Express



- Designed a sustainability-focused news application, which provides solutions to tackle earth-deteriorating issues
- Awarded 3rd place at Exun 2020 (at DPS RK Puram) out of 700+ participants
- Implemented a paginated API with NodeJs to fetch sustainability-focused news and related charities
- Designed an open API, for user suggested charities focused on sustainability
- Implemented FutureBuilder, GeoLocator and NetworkHandler in fetch user-location based news and solutions/charities

## Technical Skills

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**Languages:** JavaScript, TypeScript, Python, Dart, C++

**Technologies/Frameworks:** NextJS, TailwindCSS, ReactJS, Flutter, Docker

**Other:** Linux (Pop!\_OS, Ubuntu, Fedora), Figma, Adobe XD, Adobe Premiere Pro, VS Code, Android Studio