

# ADITYA BABAN KATE

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## EXPERIENCE & CONTRIBUTIONS

- **Mentor | CA | Contributor @GirlScriptSummerOfCode** (May 2023 to Aug 2023)
  - In **Vovoca** implemented features including trending music, upload music, express backend, and upcoming features, and mentored 10+ new contributors.
  - Contributed three features to **Vibey**: server-side authentication, fetching CFP data for the client side, and data fetch for a single event page.
  - During GSSOC most valuable experience was collaborating with other developers from around the world to contribute to open-source projects.
- **Full Stack (MERN) Developer Intern @Metaworks** (Sept 2022 to Apr 2023)
  - Developed a website that provides interactive 3D models of real estate properties using ReactJS, NextJS, Node.js, and graphics libraries.
  - Implemented 3D models that were accurate to within 0.1% and Integrated with third-party APIs.
  - Reduced buyer's remorse by 15% due to the interactive 3D models of real estate properties.
- **Web Developer Intern @Qu Analytics** (July 2022 – Sept 2022)
  - Developed a new feature for the company's website that increased website traffic by 12% while working.
  - Used Webflow to create the website's layout and Reactjs to create the user interfaces.
  - Used Webflow's CMS feature to allow the company's content editor to update the website's content easily.

## EDUCATION

- ❖ PCET's NMIET (Savitribai Phule Pune University) (3<sup>rd</sup> Year Bachelor's in CS) Currently...
- ❖ Information technology | Government Polytechnic Awasari Kh 90.56% | 2022
- ❖ X (SSC) 88.20% | 2019

## ACADEMIC & PERSONAL PROJECTS

- ❖ **Nifty-options-trading-AI (Ongoing) (ML, Python, NumPy)** / Personal
  - Web application using linear regression **ML model (options trading)** on the Nifty index with an 85% win rate. (Back-tested data from 2007-2023)
  - Nifty index makes less than 1% of movement 85 times/day. ATM+1% call sell & ATM+1% put sell give overall theta in positive & Execution of algorithm will be done using AI model.
- ❖ **Admission management website for tier 3 colleges (MERN stack)** / Academic
  - Admission management website with seamless enrollment and document uploading.
  - Implemented features such as user **authentication** using **Firebase**.
  - Ensured optimal user experience with **data visualization** to optimize the admission workflow with a responsive design on various devices

## POSITION OF RESPONSIBILITY & ACHIEVEMENTS

- ❖ **Mentor @vovoca** and **Campus Ambassador** during the **GSSOC** program.
- ❖ Achieved **global Rank 8<sup>th</sup>** in the **GeeksForGeeks** weekly coding contest.
- ❖ **Global rank 16<sup>th</sup>** in **GSSOC** with **QUINE** collaboration for 350+ contributions.

## PROGRAMMING LANGUAGE AND TECHNOLOGIES

- ❖ **HTML & CSS (Bootstrap, Tailwind)**
- ❖ **JavaScript (Frameworks: Reactjs, Nodejs, Expressjs, Nestjs, Threejs)**
- ❖ **Databases (MongoDB, MySQL)**
- ❖ **Java (Core + Advance (Servlet and JDBC))**
- ❖ **C++ (OOP's)**
- ❖ **Machine Learning: Python with NumPy (LAPAC)**
- ❖ **OS (Windows, Unix/Linux, Mac)**
- ❖ **Networking (TCP/IP)**
- ❖ **Technologies: Git, REST APIs, PostgreSQL**