

SANJAY NAYAK

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Third Year Computer Engineering student currently studying in D. J. Sanghvi College of Engineering. Passionate, hardworking and an enthusiast learner always eager to learn new technologies, with a good amount of experience in MERN stack, React Native app development and ML, currently focused on Blockchain and AR development.

PROFESSIONAL EXPERIENCE

12/2019-02/2020 **TATA CONSULTANCY SERVICES**, NLP/ML Developer

- Developed a search engine for websites with keyword based search as well as semantic search. Results were ranked based on cosine similarity between the query vector and document vectors created using TF-IDF vectorization.
- BeautifulSoup library was used to scrape websites' contents and were stored in a csv.
- Misspellings in the search query were handled using distance based replacements.
- Developed REST APIs for the same using Flask-RESTful.

04/2019-06/2019 **SENSUM FINTECH** (An algorithmic trading platform), MERN stack developer

- Developed a website by integrating REST APIs in React JS.
- Integrated RazorPay payments API in React JS.
- Developed a few REST APIs in Node/Express JS.
- **Website:** <https://algokart.sensum.tech/>

EDUCATION

2017-Present **Dwarkadas Jivanlal Sanghvi College of Engineering, Mumbai**
Bachelor of Engineering (Computer Science)
Average CGPA: 9.55/10

2017 **The Divine Image College, Mumbai**
XII (Senior Secondary) Science (HSC Board)
PERCENTAGE: 88.15%

2015 **Mother Mary's English High School**
X (Secondary) SSC Board
PERCENTAGE: 89.20%

TECHNICAL SKILLS

Intermediate: JAVA (Core and Advanced), PYTHON, C PROGRAMMING, JSP, JavaScript, React JS, Redux, Node JS, Express JS, React-Native (Android), HTML, CSS, MongoDB, MySQL.

Beginner: Native Android, GraphQL, Machine Learning, NLP, Blockchain, AR development.

PROJECTS

February 2020 **SMART INDIA HACKATHON (SIH_2020)-{ Campus Hackathon winners }**

- Developed a real-time emergency/ crime reporting system which consisted of two mobile apps (developed using React Native), one for the user and other for admin (police /hospital/fire station). An admin dashboard (web) was available for statistical analysis .
- Shortest and efficient path to victim's location (GPS) is shown on map to the admin and volunteers who can call/live chat with the victim.
- A chatbot was used to register non-emergency complaints (FIRs).
- **BitBucket:** https://bitbucket.org/nayak_sanjay99/sih_2020/src

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| March 2019 | SMART INDIA HACKATHON (SIH_2019) <ul style="list-style-type: none">• Developed a web portal using React JS (Express for backend and database on Mongo) for showing trends in the change of depth of tube-wells along with water forecasting.• The data of the no. of tube-wells in a particular block was scraped from data.gov.in .• We used ARIMA model for predicting the output (water level forecast) and displayed it graphically using charts.js.• Github: https://github.com/nayaksanjay99/coderz |
| February 2020 | KJSCE_HACK_2020 <ul style="list-style-type: none">• Developed a web portal using React JS and a mobile app using react native wherein recruiters may search for candidates based on job-profile or skill sets.• Profiles of candidates were scraped from LinkedIn using Selenium.• Recommendations were given to the recruiters based on their previous searches.• Github: https://github.com/nayaksanjay99/Lunatic_Byte_AI_ML |
| November 2018 | MULTIPLE-CLIENT SINGLE SERVER MESSAGING SYSTEM (WITH ADS) <ul style="list-style-type: none">• Developed a system of single server multiple client messaging system using JAVA in which message by one client (Java program) is sent to all / selective clients by the server.• I used Socket programming for establishing TCP connections between server & clients.• An advertisement (Text-Ad) showing feature is available which is triggered by the words present in the message (e.g. 'coke' present in message renders text-based Ad. of coke automatically).• Github: https://github.com/nayaksanjay99/Concurrent-Server |

TRAININGS

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| January 2019 | JAVA TECHNOLOGY, Rajesh Patkar Institute of Software Engineering, Mumbai. <ul style="list-style-type: none">• Core and advance JAVA, basics of design patterns, basics of Aspect Oriented Programming. |
| October 2014 | DESKTOP PUBLISHING (DTP), KEERTI Computer Institute, Mumbai <ul style="list-style-type: none">• Learned Vector Graphics Editing and editing photos using Adobe Photoshop. |

ACTIVITIES

- Winners of the internal (campus) hackathon for Smart India Hackathon 2020 (Software Edition).
- Finalists of the Smart India Hackathon 2019 (Software Edition).
- 2nd runner up in Intra-College Singing Competition in GYANMANTHAN (Junior-college festival).
- Winner of Intra-School Chess Competition held in the year 2014.
- Cleared Intermediate drawing examination.

SOFT SKILLS

- Self learner – Learned all the skills through self research.
- Ready to accept leadership role - Led and managed Hackathon teams (Total 8 hackathons) .
- Good problem solver and solution communicator - Explains thought process to coworkers.
- Always enthusiastic about programming projects and problems!

PERSONAL DETAILS

- Hobbies: Passionate about Playing Keyboard, Singing (YT channel: <https://www.youtube.com/channel/UCZ036ysS4QEMfrD4ISamVUA>)
- DOB: 03/12/1999
- Languages Known : English, Hindi, Marathi, Konkani, Kannada.