Swapnil Khare
React Native Developer

CONTACT

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SKILLS

Programming Languages

Python C++ Javascript HTML Sass

Frameworks

ReactJs React Native Redux Django GraphQL Typescript Material UI

EDUCATION

Master of Science - M.Sc. : Mathematics
Birla Institute of Technology and Science, Pilani

Bachelor of Engineering - B.E. : Manufacturing Engineering
Birla Institute of Technology and Science, Pilani

PCM with Computer Science and English (CBSE 12th Board)
Campion School, Bhopal

AWARDS & SCHOLARSHIPS

National Talent Search (NTSE) SCHOLAR   May, 2013
National Talent Search Exam is annually organized by NCERT for class 10th students, throughout India.
Top 1000 students ranging from all fields of studies get selected via. clearing multiple stages, for this prestigious National Scholarship out of the estimated 1.1 million students who appear for it.
Grants Rs. 24,000 every year, while I'm pursuing some education.

FIITJEE Talent Reward Scholarship   March, 2013
Bagged an All India Rank 44 in FTR Exam which got me a 100% scholarship (fee waiver).
Recieved a Gold Plaque for "Zonal Topper in Physics" in Central India Zone .
Granted amount of Rs. 80,000 distributed over the course of 2 years into 8 checks of quarterly cash reward scholarship.

International Mental Ability Quiz, QUANTA - 2nd Runner-up   Oct, 2014
Represented India in the final stage round of the Mental ability quiz and bagged 2nd Runner up behind Germany and Russia.
QUANTA is an International Quiz Competition in Maths, Science, Mental Ability and Robotics.
Organised by CMS Lucknow, under the purview of UNESCO.
250+ teams from 90+ nations participate.

Extra Curricular Activities

Poker   Present
Avid poker player, obsessed with the strategies used, reading opponents' minds and the competitiveness involved.
Also, it enhances my allowance.

Music - Vocalist and Guitarist   Present
Singer for 19 years now.
Guitarist and a trained pianist since last 13 years.
School Choir head for 2 years.
Won in various inter-school solo and group singing competitions.
Very active participant in college events associated with music.

Football Team   Present
Centre forward in college team for several national level tournaments.
Left Mid-fielder in School team for several state and national level interschool tournaments.

Positions of Responsibilities

TEAM LEADER to a 7 students team for QUANTA, 2014 - UNESCO   Nov, 2014
Supervised all the quiz and robotics teams from my school.
Personally in the Science quiz team and a solo event, the Mental ability quiz.
Handled all the preparation from both the academic and logistical points of view leading to the international event.
Going against 250+ teams from 90+ nations.

School House Prefect - Campion School, Bhopal   March, 2015
Directed and oversaw my house teams (Ashoka House) into various inter-house competitions throughout the academic year.
Organized sports and cultural events associated with the Annual House Cup.
Catered to the discipline and decorum of huge-scale events.

Tech Team Lead for Suit-Up, ATMOS 2017 - E-cell   Oct, 2017
Controlled and orchestrated Suit-Up, a national level Virtual startup competition organised by the Entrepreneurship cell (E-cell), BITS Pilani-Hyderabad Campus.
Formulated and developed the mathematical algorithm which till this date is being implemented for judging the scores in this annual competition.

Work Experience

June, 2022 - present

Full-stack Software Developer (Javascript, Typescript, React)
BOLT EARTH ev Charging Network, Bangalore

- Frontend Web Application development in React.js.
- Backend development in MongoDB, expressJS and Node.
- Defining and consuming GraphQL queries and mutations alongside Apollo client.
- Building APIs and writing unit test cases for them.
- DOCKER: container management on server microservices
- KUBERNETES: server management
- Using frameworks like SENTRY, PRISMA, MUI etc.

Jan, 2022 - Mar, 2022

Product Management Intern
Zinnov Management Consulting, Bangalore

- Data management for market research
- Trend analysis data based: Deck creation support
- information/data retrieval for establishing market data points
- API tool utility for fetching and updating excel data.

July, 2021 - Jan, 2022

Thesis - Robotics Research Scholar
BITS PILANI, Hyderabad Campus

- Optimization of the robotic manipulator arm structure

May, 2021 - July, 2021

Full-stack Developer (Typescript, Python)
ES Magico Experiences, Mumbai

- Frontend Web Application development in React.js.
- Backend development in Django, firebase and Node.
- Defining and consuming GraphQL queries and mutations alongside Apollo client.
- Building APIs and writing unit test cases for them.
- Using frameworks like REDIS, Material UI, AntD, jest, etc.

Sep, 2019 - Feb, 2021

Full-stack Web Developer
Shubhswapn Machine Tools Pvt. Ltd., Bhopal

- Material UI framework used alongside raw HTML, SASS(Syntactically Awesome Style Sheets) and Javascript.
- Designed and developed the entire backend on NODE.js for the company website, for further introduction of REACT.
- SMT is a Professionally Managed TechnologyMarketing company involving high-tech machine tools imported from industrially developed nations.
- The company represents some world-renowned manufacturers from Europe, the USA, and Far East Countries for high-end factory equipment.
- Conducted several meetings with the MANAGING DIRECTOR to understand and design the website as required.
- Deployed with AWS for hosting and remote storage, and Google Domains.

May, 2018 - July, 2018

Manufacturing Solutions
Rourkela Steel Plant, Rourkela

- Rourkela Steel Plant (RSP), is the largest steel plant in India producing 8.7 million tonnes of processed steel annually.
- Operated in a team of 7 BITSIANS under the purview of Plate Mill Dept, fostered by Mr Amresh K. Srivastva (General Manager, Mechanical Dept.).
- Designed and implemented algorithms into data handling software.
- Revamped the manufacturing process and diagnosed the supply chain model to optimize the plant's operations.
- Restructured the design of a frequently serviced module placing it outside the core machine casing thereby establishing easy accessibility.
- Engineered an automated request input mechanism into a hydraulic width adjustment unit at the sheet metal cutting workshop.

Aug, 2016 - Mar, 2017

Web design and development intern
Pixelscapes India Pvt. Ltd. (Hyderabad)

- Delivered in a team of 3 interns led by the Mr Aditya Vidhate (CTO of this startup) in its expansion stages
- Streamlined and accelerated development of the backend algorithms, as well as the frontend design and layout of the company website.

Aug, 2016 - May, 2017

Business Development (Network Expansion)
SmileMiddle, Hyderabad

- Administered logistics with Mr Harshit Soni, the founder of this Start-up, who was a senior from my college.
- Performed market research for competition, expansion and B2B negotiations.
- Witnessing the startup growing from scratch to being evaluated for more than $1 Million.

Projects

March, 2021

"sw-insta" - Instagram Clone Multiplatform mobile application (realtime feed and posting)
React Native, Expo CLI, firebase and Redux

- Global live feed implemented using realtime remote database on Firebase firestore.
- Register a new account with a unique username and your own password.
- REDUX used with React context API for easy manipulation of the data layer from every component level.
- React Native Elements implementation for replicating the UI elements.
- Keyboard-Avoiding-view and safe-area-views for basic realistic user interface of the app.
- React Native Navigation used for gestures' based stacked intuitive navigation throughout the app.
- Story section with lazy horizontal scrolling placed at top of the homescreen

March, 2021 -

"sw-signal" - Whatsapp Clone Multiplatform mobile application (realtime chatting and public channel creation)
React Native, Expo CLI, firebase and Redux

- Realtime chatting implemented using realtime remote database on Firebase firestore.
- Register a new account with a unique username and your own password.
- REDUX used with React context API for easy manipulation of the data layer from every component level.
- React Native Elements implementation for replicating the UI elements.
- Keyboard-Avoiding-view and safe-area-views for basic realistic user interface of the app.
- React Native Navigation used for gestures' based stacked intuitive navigation throughout the app.
- Last active and new public channel creation by any user.

Feb, 2021 -

"sw-facebook" - A react.js webApp cloning reatime posts and live feed of facebook.
ReactJs, firebase and Redux   https://sw-facebook.web.app/

- Login with google (google auth)
- REDUX/ react context API architecture
- Firebase Firestore DB
- posting images, GIFs, and plain text user posts into the live feed.
- BEM classNaming convention - scalable app.

Feb, 2021 -

"sw-whatsapp" - A react.js webApp cloning realtime chat, public channel creation and UI of WhatsApp web.
ReactJs, firebase and Redux   https://sw-whatsapp-6a9d8.web.app/

- Firebase Firestore DB
- Login with google (google auth)
- REDUX/ react context API architecture
- chat room creation
- real-time chatting using firebase
- BEM classNaming convention for easy scaling of the app

Feb, 2021 -

"sw-music" - Spotify Clone WebApp (realtime playlist updates from spotify account)
ReactJs, Spotify Developer Tools

- Login with spotify account implemented.
- Complete responsive web application cloning the UI of spotify web.
- Liked playlists and custom playlists showcase using Spotify Developer Tools.
- BEM classNaming convention for easy scaling of the app

April, 2019 -

Medical History Management System - implementing Blockchain
Cryptography, Blockchain, Python, Flask framework

- Operated in a team of 4, under the guidance of Prof. G. GeethaKumari (Dept. of Computer Science).
- Deployed Zero-Knowledge Proof for validation of data entry requests.
- Establishing higher data security pertaining to patients' medical history.
- Tech used: Python, Flask framework.