

Kartiken Barnwal

**Upcoming Intern at Samsung | Devoted | Multitasking | Finance Geek |
Web Development Enthusiast | Competitive Programmer**

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“A programmer longing to make innovations with his technical skills and latest technologies. An individual longing to make the best working environment with great interpersonal and communication skills. Driven by great challenges and learning opportunities, I look forward to combining technical knowledge with interpersonal skills.”

EDUCATION

B.Tech Information Technology

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

GPA: 9.5 | 2019-2023

Senior Secondary (Pre-Engineering)

EMMANUEL MISSION SCHOOL, KOTA

Percentage: 94 | 2017-2019

Secondary (High-School)

DELHI PUBLIC SCHOOL (TAPI), SURAT

CGPA: 10 | 2016-2017

WORK EXPERIENCE

FULL STACK DEVELOPER INTERN | TECHOKIDS

10/2020-11/2020

- TechoKids, a startup in the field of coaching for school kids for a headstart. The company is founded and mentored by IIT/IIM alumni & Ex-Googleers.
- Documented the **SRS** for the dashboard of different users through rigorous **communication and brainstorm** sessions.
- Accomplished the set up of Email **APIs** with the backend for sign up recognition, OTP generation & Contact support.
- Supported the designing team for the dashboard.

VIRTUAL EXPERIENCE PROGRAM | GOLDMAN SACHS

06/2021-06/2021

- The Program was focused on **cryptography and password hashing**.
- I was involved in decrypting some hashed passwords using tools like **Hashcat**. This was done by brute force and using the dictionary lookup method.
- Arrived at few solutions for storing passwords in a more protected way such as using salt, better hashing algorithms and high memory passwords.

FULL STACK DEVELOPER | INDUSTRY CELL, NIT KURUKSHETRA

08/2020-09/2020

- Created **UML** diagrams, developed back-end **APIs** and documented where features were implemented, to make the code base more maintainable.
- Played the responsibility of a technical associate at the institute's entrepreneurial society through contributions in its **official website** development and hosting.

PROJECTS

PAKSHIM DEBT MANAGER

- Developed the Alexa Skill through Alexa Skills Kit (ASK), Amazon Lambda, NodeJS & DynamoDB with my team.
- The skill would help a smart speaker/ Alexa assistant user to keep a track of all his/her debts and borrowings with an easy interface.
- Integrated support for multiple languages (English & Hindi) to the backend through i18n.

KRAD E-PORTAL

- An E-Commerce website where brands shops influencer for aiming to achieve effective influencer marketing.
- The full-fledged project is deployed on Heroku with creative usage of HTML5/CSS3/TailWind CSS & Bootstrap.

- The backend includes many Restful APIs such as registering as an influencer, fetching the list of influencers through paging and adding them to your cart.
- The data gets stored in the NoSQL database (MongoDB Atlas). Multer middleware is employed for uploading files.

REAL-TIME WEB-CHAT APPLICATION

- The application uses Socket.IO protocol along with frontend & backend technology giving a great real-time experience.
- Socket.IO is a JavaScript library for real-time web applications. It enables real-time, bi-directional communication between web clients and servers.

ACHIEVEMENTS

- **IIT-JEE Advanced Cracked (AIR-5120)**
- **1st Position**, Productathon (s/w + h/w Hackathon)
- Was among the first ones from entire institute to get an offer in the internship drive'21
- In Top 100 (Overall) Coders at Institute on GeeksForGeeks
- Best Codechef Rating: 1856 (**4 Star**)
- **Global-148 | Institute-2** | Codechef (March Long, 2021)
- **Global-1556 of 20,000** | Codeforces | LATOKEN R-1
- **Institute Rank 4** | Hackerrank Coding Sprint, 2021
- Honours in **Financial Markets** (Yale University)
- **2nd Position**, Inter Year Debate Competition (NITK)
- **National Level** Table Tennis Player

SKILLS

Proficient: C++, Data Structures and Algorithms, HTML/CSS, Javascript, NodeJS, MongoDB, GIT, MySQL

Comfortable: Java, PHP, Bootstrap, React, Selenium, Web Sockets, Alexa Skill Kit