SHUBHAM KACHROO

+91 - 8860376249 • shubhamkachroo@yahoo.co.in

My Profiles : LinkedIn | GitHub | Leetcode | CodeChef | DevPost

EDUCATION

JC Bose University of Science and Technology, YMCA, Faridabad, India   *Aug'16 – Aug'20*

B. Tech (Computer Engineering) • CGPA: **8.4** • Percentage: **80%**

INTERNSHIPS AND WORK EXPERIENCE

❖ **JC Bose University of Science and Technology** – *Application Developer*   May'20 – July'20
- Developed one module in an all-in-one interface application for university's incubation cell.
- Developed ***real-time chat interface*** using XMPP protocol with Ejabberd server.

❖ **Samsung Research Institute, Noida** – *SDE Intern*   Jan'20 – May'20
- Developed an ***offline on-device neural model*** to generate videos' preview thumbnails and assign tags by object detection method to all the video present on the phone memory.
- Showcased the working prototype which will be used in ***Samsung Gallery soon***.

❖ **Indian Institute of Technology (IIT), Hyderabad** – *Research Intern*   June'18 – July'18
- Developed deep learning model to predict an android app as malicious or benign on self-collected dataset with an ***accuracy of about 95%.***

TECHNICAL SKILLS

- **Skilled worked with:** C++, Git, Android Development, Google Firebase, Core Java, SQLite
- **Other Familiar Skills/Languages:** Data Structures and Algorithms, OOPs, REST APIs, Python, XML, LATEX, HTML, CSS, MySQL, Keras, TensorFlow, Node.js

PROJECTS   (MORE ON GITHUB)

1. Stroke-Rehab
   - **Smart IoT Glove** for remote recovery of stroke patients with progress and chat functionality.
   - **1st position** in **Geek-A-Thon** of Barco Electronic Systems Ltd with over **50+ teams**.
   - **1st position** in **Hack-In-The-North'19** of IIIT-Allahabad with over **250+ students**.
   - *Technologies Used:* Android, Java, Firebase, IoT, Node.js.

2. Culmyca 18
   - **Core team member** to develop the Mobile Application which is used by **2000+ every year**.
   - Organized **5+ technical events and seminars** through the application on the college fest.
   - *Technologies Used:* Android, FirebaseDB, MongoDB, Google and Facebook APIs.

3. Doct-Aid
   - **Grand Finalist Project** for **Smart India Hackathon 2019** Software Edition.
   - *Technologies Used:* Android, Firebase, TensorFlow, Node.js.

4. Status Quo
   - Minimize the after-effects of an accident by **auto-send SOS message** and **anonymous help**.
   - Published **Research Paper** in **IEEE** for the conference **ICRITO'18** at Amity University.
   - *Technologies Used:* Android, Java, Firebase, IoT.

5. Read Hand
   - **CNN model** to predict the hand gestures by image processing on the created dataset.
   - *Technologies Used:* Keras, CNN, Image Classification.

OTHER ACHIEVEMENTS AND SCHOLARSHIPS

- Linux Foundation training **(LiFT) Scholarship** recipient with 20,000+ global applicants.
- **3-Star coder** - **CodeChef** and **Leetcode** with **500+** problems solved on other coding platforms.
- **2nd** position in **TechQuest** event of Innerve'18 at IGDTUW, Delhi.
- **3rd** position in **HackCBS** 2.0 by Microsoft and MLH with 150+ teams.
- **Open Source contributor** in organization like **FOSSASIA**, **Manan**, etc.
- **Technical Head** of Manan - Computer and Technical society of the university.