Kanishk Sunil Jadhav   170040004

Civil Engineering   B.Tech.

Indian Institute of Technology, Bombay   Gender: Male

DOB: 14-10-1999

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2021	▉▉

Pursuing **Honors** in Civil Engineering by undertaking post-graduate level courses

PROFESSIONAL EXPERIENCE

H&R Johnson | *Sales Automation module* | *Software Developer*   *(May'20-Jul'20)*
*Received a **Letter of Recommendation** from General Manager for exemplary performance during the internship*
- Analyzed the tile industry and proposed the design along with required features for the mobile interface
- Developed a mobile application using **Flutter** to sell merchandise and provide online support for the company agents
- Integrated the application with **Google Cloud** platform for **cloud messaging** and retrieving real-time data
- Trained and implemented a **Chatbot** on the application using **Google's Dialogflow** agent for 24x7 customer support
- Created an admin portal for the SAP team to predict the sales forecasting by utilizing the customer data insights

ABV Constructions Ltd. | *Kamare Minor Irrigation Scheme* | *Project Trainee*   *(May'19-Jun'19)*
- Analyzed the design of Saddle dam for **cost estimation** of excavation, aggregates quality and concrete quantity
- Monitored the quality control of materials and studied methods used in the construction of the dam foundation

KEY PROJECTS

Facial Recognition for Department | *Course Project* | *Prof. Indu J*   *(Jul'19 – Nov'19)*
- Developed an algorithm to perform real-time facial recognition by using the **OpenCV** library to enhance security in labs
- Built a training model and classified images based on widely used **Local Binary Pattern Histogram** algorithm
- Tested the program in mock trials for use in department labs with a limited dataset and achieved **80% accuracy**

Culturals@IITB Mobile Application | *Technical Project*   *(Sep'19-Feb'19)*
- Designed, developed and deployed the mobile application using Flutter to publicize and conduct events
- Implemented **Facebook** login using the **Graph API** in the application for a personalized user experience
- Successfully launched the mobile application on the **Google Play Store** platform with a reach of **500+ downloads**

N-Puzzle (C++) | *Course Project* | *Prof. Krishna S*   *(Jan'18 – Apr'18)*
- Designed an algorithm to solve the N-Puzzle in the least number of steps and the **least time complexity**
- Studied concepts from graph theory, path traversal and implemented **A* algorithm** using Manhattan heuristic

SQL Querying on Spatial Database | *Course Project* | *Prof. Surya Durbha*   *(Jan'19 – Apr'19)*
- Generated spatial database in **PostgreSQL** and performed **spatial** query on it for classifying the different regions
- Analyzed shapefile data and used **QGIS** to display the graphical results obtained using SQL and QGIS query

POSITIONS OF RESPONSIBILITY

Institute Cultural Web Nominee | *Institute Cultural Council* | *IIT Bombay*   *(Apr'19-May'20)*
- Member of Institute Cultural Council, responsible for maintaining and improvising the **online** face of Culturals
- Implemented an **automated e-certificate** generating system on Culturals website serving **10,000+** students
- Organized institute's most prominent events and activities as a part of a 16-member core team

Web and Computer Secretary | *Hostel 8* | *IIT Bombay*   *(Aug'18-Apr'19)*
- **Developed** a new hostel website giving students a glance of the hostel achievements, amenities and functioning
- Ensured complaints of students are addressed timely and **supervised** the connection health of LAN and WLAN

TECHNICAL SKILLS AND CERTIFICATIONS

- Successfully completed a course on **Statistics and R** offered by **HarvardX University**   *(Apr'20)*
- Successfully completed a course on **Machine Learning** with Python provided by **IBM**   *(Jul'20)*

Programming: C++, Python, R, Dart, PHP, SQL
Software: MATLAB, OpenSees, AutoCAD, QGIS, STAAD Pro

EXTRACURRICULARS

- A former member of the technical **Team Zero-Waste** aimed towards efficient **Solid Waste Management**
- Completed a professional cricket training camp and awarded a certificate from **ADCA**
- Panellist of the **Insight** team that covered an article regarding IIT Bombay's **Institute of Eminence** status
- Technical head of **Inter-IIT Cultural Meet 2019** supervised by Institute Cultural Council, IIT Bombay
- Underwent a yearlong professional training in **Tabla** under National Sports Organization
- Participated in Severely Acute Respiratory Infection treatment design facility conducted by **WHO**

Scholastic achievements and extracurricular activities are not verified by the Placement Cell