MIHIR OKTE

ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Mathematics & Computing	Indian Institute of Technology Delhi	7.957
2019	CBSE	Silver Bells Public School	94.8%
2017	CBSE	Swami Vivekananda Academy	10/10

SCHOLASTIC ACHIEVEMENTS

- **Hong Kong University for Sc & Tech :** Completed certification in Python and Statistics for Financial Analysis   [2020]
- **KVPY Fellowship Award**: Achieved **AIR - 233**; selected through a rigorous 2 tier process by DST, Govt. of India   [2018]
- **NTSE Scholar:** Among the merit-based top **1000** students receiving the scholarship awarded by NCERT annually   [2017]
- **NSEJS:** Secured **AIR - 44** ; **Top 1%** National Merit List out of 32,110 candidates & qualified for INAO & INJSO   [2017]

INTERNSHIPS

- **SWE Intern - E-Ring Ltd (HYD)** : *Capture Property Tax Management Software*   [Jun 2022 - Jul 2022]
  *Recieved **Pre-Placement Offer** in lieu of impeccable performance shown & initiatives taken during the internship period*
  - Developed multiple **ASP.NET** Pages, corresponding SQL queries, **LINQ & C# DAL** methods in Mass Appraisal System
  - Optimized stored procedures across the solution to reduce query execution time **by 30%** & more efficient data storage
  - Devised novel **data migration** process from multiple source databases, prioritizing the **usability** for regular developers
- **Product Developer - StoryProcess** : *StoryMaker Portal*   [Dec 2021 - Jan 2022]
  - Structured the video remixer product using **TTS** APIs & **JS-SVG animation engines** to enhance product story telling
  - Modified **No-Code Bubble** with nested workflows & custom JS to improve compatibility with **HTMLCanvas** based editor
- **Software Designer - Craze Technologies** : *Craze App*   [Jan 2021 - Feb 2021]
  - Developed native **Android** applications and frameworks using **Java** and implemented the cloud-based **NodeJS** backend
  - Implemented the user onboarding flow and optimised the feed reloading algorithms **by 15%** in terms of retrieving data

PROJECTS

- **Kanon LPE Project** *(Prof. Hidehiko Masuhara, Tokyo Institute of Technology)*   [May 2021 - July 2021]
  - Ideated and developed the improved programming interface for the generalized Kanon **Live programming environment**
  - Investigated **object visualization** methods, and UI features and implemented optimizations in **11,000 LOC** code base
  - Analyzed data structures & classes to reduce the execution time in backend methods & provide rectifications for them
- **Mining Association in HCV for Egyptian patients** *(Prof. BS Panda)*   [Feb 2022 - Mar 2022]
  - Established age-gender **association** with symptoms for HCV patient dataset using multiple **classification methods**
  - Predicted occurrence of symptoms in patients after treatment dosages using **modified FP-growth** & **Apriori** algorithm
- **Inkspace Project** *(Open Source)*   [Apr 2022 - May 2022]
  - Implemented multiple feature requests; used **GTK+ toolkit** for UI changes & added to **GLib** supported C++ codebase
  - Worked with **GDB debugger** to resolve bug fixes and improving the overall efficiency to ensure faster canvas operations
- **Random Access Network system** *(Prof. Swades Dey)*   [Oct 2021 - Nov 2021]
  - Simulated slotted & unslotted **Aloha** to analyse the packet throughput & arrival rate compared with theoretical versions
  - Configured and tested system parameters to obtain the highest throughput and achieved **88% accuracy** in observations
- **Dynamic Memory Allocator** *(Prof. Rahul Garg)*   [Aug 2020 - Sept 2020]
  - Implemented **memory allocation** & **free** system (cache based) along with **defragmentation** for space management
  - Used data structures like **AVLs, BSTs & DLLs** and conducted comparisons to measure efficiency in multiple conditions

TECHNICAL SKILLS

- **Languages:** C/C++, JAVA, C#, Python, Javascript, SQL, MATLAB | **DataBases:** SSMS, MySQL, FireStore
- **Frameworks:** ReactJS, ASP.NET, NodeJS, jQuery | **Tools:** WSL, GDB, Bubble No-Code, Android Studio, Visual Studio
- **Libraries:** Bootstrap, Numpy, Vis.js, Pandas, Matplotlib, DevExpress UI, Glib | **Version Control:** TFS, Git

POSITIONS OF RESPONSIBILITY

- **Co-Founder & Director - Design Club BRCA**   *Awarded Significant Contribution to BRCA*   [Jun 2021 - May 2022]
  - Ideated & established the club values, functioning & target strata; **acquiring 800+ students** in the first quarter of onset
  - Conducted **38+** design events in a year, increasing **13 times** from prior year's number; involving corporate firms & **NID**
  - Established the major digital content to raise **2500+ associations** across all social media platforms in a span of 9 months
- **Overall Coordinator - Sportech 2022 IITD**   *North India's Largest Sports Fest*   [Dec 2021 - Mar 2022]
  - Spearheaded 2 tier team of 50+ students; modelled the Digital media & publicity, leading to **230% increase** in outreach
  - Strategized & executed the **first-time** live streaming & shoot tasks for all Sportech events overcoming limited resources
  - Formalized multiple event structures & crowd management strategies to minimize causalities & ensure smooth conduct

Disclaimer: All the information on this page is entered by student.   **Page 1**

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IIT COURSE

Degree	Institute	CGPA
B.Tech in Mathematics & Computing	Indian Institute of Technology Delhi	7.957

COURSES DONE

Probability & Stochastic Pro., Embedded Systems, Nss, Minor Design Project - I, Data Structures And Algorithms, Analysis &design Of Algorithms, Discrete Mathematical Struc., Linear Algebra & Applications, Computer Communication, Machine Intelligence& Learning, Computer Architecture, Cryptography, Functional Analysis, Design And System Laboratory, Numerical Method S& Computation, Data Mining, Special Topics In Design 2

POSITIONS OF RESPONSIBILITY

• Technical Editor, BSP (September, 2020 - April, 2021)
• Creative and Publicity Coordinator, AAIP, Others (May, 2021 - May, 2022)
• Director , Design, BRCA (July, 2021 - May, 2022)
• Advisory Panel, Design, BRCA (May, 2022 - June, 2023)
• Sportech Overall coordinators, BSA (July, 2021 - May, 2022)
• Literati Coordinator, BSP (July, 2021 - May, 2022)
• Mentor, BSW (July, 2021 - May, 2022)
• Director , Design, BRCA (July, 2021 - May, 2022)
• Tryst Coordinators, CAIC (July, 2021 - May, 2022)

EXTRA CURRICULAR ACTIVITIES

• Runners Up (Music video making competition), Inter-Hostel Music Video Competition (February, 2020 - March, 2020)
• Second Position (Interhostel Trailer Making competition), Inter-Hostel Trailer Making (June, 2021 - June, 2021)
• Second Position (Design Marathon), Create 3 (June, 2021 - June, 2021)
• Third Position (Overall standings), PFC Trophy (September, 2020 - June, 2021)
• Best Technical Editor, All Boards Night 2020-21 (July, 2021 - July, 2021)
• Significant Contribution, BRCA Awards (July, 2021 - May, 2022)
• Events Coordinator, Create 2022 (July, 2021 - May, 2022)
• Second Runner-Up, Gazettale (July, 2021 - May, 2022)
• 2nd position, Inter-Hostel Group Dance Competition 2022 (July, 2021 - May, 2022)
• 2nd, Interhostel Admaking (July, 2021 - May, 2022)
• Gazettale '22 Second Runner-up, Gazettale'22 (July, 2021 - May, 2022)
• Student Support Team Member, BSW (July, 2021 - May, 2022)