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| **Shashant Nagpure** | | |  | **GENDER**: MALE **DOB**: 21/08/1995 | | | | | |
|  | **ADDRESS** : KHARADI, PUNE **CONTACT**: +91-7030646284 | | | | | |
| **EDUCATIONAL QUALIFICATIONS** | | | | | | | | | |
| **year** | | **degree** | | **institution** | | | | **cpi/%** | |
| 2018 | | btech in electrical engineering | | iit bombay | | | | 6.4 | |
| 2013 | | class xii-cbse | | mansarovar public school, bhopal | | | | 92% | |
| 2011 | | class x-cbse | | delhi public school, bhopal | | | | 10 cgpa | |
| **Work Experience** | | | | | | | | | |
| **TECHNOLOGY ANALYST | TRADE AND TREASURY SOLUTIONS, CITICORP SERVICES PUNE** | | | | | | | [Oct’18-Current] | | |
| *Part of team - Simplified CitiConnect For Files* | | | | | | |  | | |
| * Worked on data migration from Oracle Database to **MongoDB** by developing a **UI** to provide CRUD operations * Used **Angular** **Framework** with **REST** **API’s** & **Mongo** **Repository** in **Spring** **Boot** to provide the solution * Designed the web-pages with **Sass**, **CSS** and **Typescript** without any use of Bootstrap or third-party templates * Designed features like **diff**-**checker** and added **validations** to reduce errors and improve the existing workflow | | | | | | | | | |
| **UNDERGRADUATE THESIS** | | | | | | | | | |
| **ANALYSIS OF BIFACIAL SOLAR CELL TECHNOLOGY** | *Guide*: *Prof. Anil Kottantharayil* | | | | | | [Jul’17-Dec’17] | | | |
| *Estimation of performance and scalability of* ***Vertical Bifacial Solar Farms*** *; a viable option for large scale energy generation* | | | | | | | | | |
| * Developing a **mathematic model** for calculating the **integrated power output** converted from the incident solar energy * Determining the conditions for **optimal performance** by conducting simulations in REVIT and studying real time data * Exploring the advantages of VMBM after considering the detailed effects of direct, diffuse and albedo insolation * Analysing the **optimal farm design** for **maximum yearly output** based on the calculated light collection & panel output | | | | | | | | | |
| **ACADEMIC PROJECTS** | | | | | | | | | |
| **TREE COVERING FOR TECHNOLOGY MAPPING** | *Guide: Prof. Sachin Patkar* | | | | | | [Jan’16-April’16] | | | |
| *Mapping of graph representation of a logic circuit built using a universal set of base functions to optimize cost/ delay* | | | | | | | | | |
| * Designed an algorithm to break down a subject graph into trees, and cover these trees using dynamic programming * Used concepts of Graph theory and OOPS | | | | | | | | | |
| **2-D ANIMATION** | *Course: Basics Of Animation* | *Guide: Prof. Sumant Rao* | | | | | | [Jan’15-April’15] | | | |
| *Created a meaningful design by applying the principles of* *animation* | | | | | | | | | |
| * Designed and customized a character in **Photoshop** & **Illustrator**; Animated using **After Effects~~D~~** | | | | | | | | | |
| **POSITION OF RESPONSIBILITY** | | | | | | | | | |
| **FILM AND MEDIA SECRETARY** |HOSTEL 9, IIT BOMBAY | Elected by 400+ hostel inmates  *Awarded* ***Organizational Special Mention****; Honour given to 5 out of 30 council members* | | | | | | [July’14-April‘15] | | | |
| Initiatives | * Planned and conducted **first ever** series of **filmmaking workshops** and **screenings**; footfall of **100+** * Revamped the film inventory with **high-quality gear** (GoPro, Stabilizer, Lens, Microphone) * Created **promotional campaigns** for events using **innovative videos** and **posters ;** outreach of **5.5k+** | | | | | | | | |
| Impact | * Achieved **50% Y-o-Y growth** in participants of hostel events * Constituted and led a team of 5 members to win **Best Editing Award** atFilm General Championship | | | | | | | | |
| |  | | --- | | **KEY COURSES UNDERTAKEN** | | * **WEB DEVELOPMENT:** Undertook courses on “Advanced CSS and Sass”, ”Angular 7 Framework”, ”Spring Framework” , “Spring Boot”, “Introduction to MongoDB” on Udemy * **ELECTRICAL ENGINERRING**: Advance Data Networks, Advance Graph Theory, Digital Signal Processing, Probability and Random Processes, Data Analysis and Interpretation, Communication Networks * **ARTS & HUMANITIES:** Philosophy, Reading Literature, Study of Language, Animation, Perspectives on World Cinema | | | **TECHNICAL SKILLS** | | | * **PROGRAMMING**: Data Structures and Algorithms, C++, SCSS, Typescript, Angular 7, Spring Boot, Java, MongoDB * **DESIGN**: Motion Graphics, 2-D Animation ,Premiere Pro, After Effects, Photoshop, Illustrator, Speedgrade, Audacity | | | | | | | | | | | |
| **EXTRACURRICULARS** | | | | | | | | | |
| Awards | * Hostel Cultural Color ’15   (Awarded to 5 out of 400+) | | * Hostel PAF Color ’16   (Awarded to 8 out of 500+) | | * Hostel PAF Special Mention ’14   (Awarded to 8 out of 500+) | | | | |
| Film | * **1st - Best Cinematography**, **2nd - Overall**, **Special Mention** in **Editing** in Music Video GC * **Finalist** (5 out of 500+)in Director’s Cut, Mood Indigo * **Overall Winner** and **Best Video Award** for two consecutive years at Performing Arts Festival * Analyzed **15+** films ranging from different cultures and languages in World Cinema course * Delegate at 15th MAMI Mumbai Film Festival | | | | | | | | [‘15]  [‘14]  [’16 &‘17]  [‘16]  [‘13] |
| Sports | * Undertook yearlong training in **Basketball** under Nation Sports Organization, IIT Bombay | | | | | | | | [‘13] |