



# Vedant Parkhe

Roll No.:

B.Tech

Aerospace Engineering

Indian Institute Of Technology Bombay

Pursuing Minor in IDC IIT Bombay

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	IIT Bombay	7.55 (Current)	2022-Present
Senior Secondary	Maharashtra State Board	88.33 %	2022
Secondary	CBSE Board	95.20%	2020

## EXPERIENCE

- Biz - Up** November 2023 - January 2024  
*Content Editor & Data Analyst Intern* Remote
  - Worked in a team of 3 along with the managers to simplify the whatsapp catalogue automation process
  - Successfully leveraged **JavaScript** and browser developer tools to automate the catalog extraction process, significantly reducing the time required from **2-3 hours to 30 minutes**, increasing the efficiency of the workforce
  - Utilized advanced Excel features to analyze viewer data, including **CTR, clicks, viewerships, and inquiries**.

## PROJECTS UNDERTAKEN

- Mario Platformer Clone** | Self Project [July'23]  
*Utilized the Unity 2D software & 30+ assets and C# language in designing and programming the level* Link
  - Led the conception and development of a **Mario-inspired 2D platformer game**, overseeing player controls, character animations, and interactive environments for an engaging gaming experience
  - Implemented a variety of enemy types, each with **distinct attack behaviors**, enriching gameplay dynamics
  - Designed and programmed a **challenging boss battle** requiring strategic gameplay to conquer the level
- Fortress Puzzle Game** | Self Project [July'23]  
*Utilized the Unity 3D software & 20+ assets and C# language in designing and programming the game* Link
  - Spearheaded the design and development of a **dynamic 3D maze game** set in intricate fortress environments with complex puzzles and interactive enemies, resulting in a strategic gaming experience for players
  - Designed and Programmed a coin collecting feature, complemented by a large coin at the end-level challenge. This design choice not only enhances player satisfaction but also increases engagement in gameplay
  - Designed the User Interface for Play Game Menu & Level Selection Menu and Time & Health Indicators
- Autonomous Sensory Bot** | Course Project [March'23 - June'23]  
*Course Instructor: Prof. Joseph John, Department of Electrical Engineering IIT Bombay* Link
  - In a team of 6 individuals, built a line follower robot that could carry the load of 300gm at an angle of 30°
  - Utilized the Arduino IDC, Fusion 360, 3D printing and Laser cutting machineries for the precise engineering
  - Contributed significantly in making the CAD models and ideation of the load dumping mechanism
- Blog-Site** | Self Project [January'24]  
*A dynamic web app using HTML, Bootstrap 5, EJS (front-end) and Node.js, Express (back-end)* Link
  - Developed a responsive full-stack blog site using **Node.js, Express, EJS, and Bootstrap**, with a focus on user authentication and CRUD functionality.
  - Achieved secure user interactions by implementing **RESTful routes, middleware** for form handling
  - Utilized modern web technologies to create an intuitive and visually appealing blogging platform, with potential for future enhancements like database integration and cloud deployment.
- Self-API** | Self Project [January'24]  
*A dynamic web app using Node.js, Javascript, EJS (front-end), axios and Express (back-end)* Link
  - Developed a dynamic and responsive full-stack blogging web app using **Node.js, Express, EJS, and API**, with a focus on functionality and smooth flow
  - Achieved secure user interactions by implementing **RESTful routes, middleware** for form handling
  - Utilized some of the modern technologies to create the self API Server, where user can read, upload, edit and delete the blogs

## SKILLS

- Programming:** HTML, CSS, Javascript, Python\*, C, C++, Java\*
- Design:** Figma, Dora, Photoshop, Illustrator, AfterEffects, Premiere Pro
- Softwares:** Unity Engine, Unreal Engine\*, Maya AutoDestk\*, Blender 3D, Fusion 360, MS Office
- Technologies:** Bootstrap, NodeJs, JQuery, ExpressJS, EJS, ReactJS\*
- Operating Systems:** Windows, Linux\*
- Non Technical:** Product Management, Financial Analysis, Consulting \* Elementary proficiency

## KEY COURSES TAKEN

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- **Mathematics:** Linear Algebra, Basic Calculus, Differential Equations
- **Aerospace:** Solid Mechanics, Thermodynamics & Propulsion, Control Theory

## POSITIONS OF RESPONSIBILITY

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- **Design and Creatives Coordinator**, Techfest, IIT Bombay *March. 2023 - Present*
  - Proficiently utilized **Adobe Premiere Pro and Photoshop** to create compelling visual content to make the reach of more than **130k+ views** totally on the instagram page of Techfest in 2-3 weeks
  - Significantly contributed in the design and ideation process for the official website of **Techfest 2023**
  - Utilized industry-standard software tools like **Figma, Dora, and Photoshop** to conceptualize & refine the UI & UX of the Techfest 2023 website, ensuring a seamless and engaging platform for visitors
- **Ambience Coordinator**, Mood Indigo, IIT Bombay *June 2023 - December 2023*
  - Played a pivotal role in **databasing** more than 20 vendors to streamline procurement processes
  - Collaborated with a dynamic team of 12+ members to conceptualize and execute the ambience for a **Monsoon-Themed event** at Mood Indigo, creating an immersive and memorable experience for attendees
  - Involved in ideation and designing processes for collaborative projects with various art colleges in Mumbai
- **Assistant Manager**, Racing Team, IIT Bombay *Apr. 2022 - Apr. 2023*
  - Categorized and databased companies across diverse categories such as **F&B, nuts and bolts & logistics**
  - Proficiently databased companies across diverse categories and created compelling **Sponsorship proposals and Sponsorship Slabs**, enhancing industry engagement efforts during my trainee tenure at IITB Racing
  - Secured **1st place as a team of 2**, in the Intra team Presentation Competition excelling in the Presentation and Representation of the Mechanical Division of the Racing Team by creating an engaging Presentation

## ACHIEVEMENTS

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- Ranked **1st** in the State among **5000+** in Rationalist Talent Search Exam( RTSE) students [2019]
- Secured a rank in **top 80** in MHT-CET with a percentile of **99.96%** among **0.2 million** candidates [2022]
- Secured the rank in top **3%** students among **0.2 million** candidates in **JEE Advanced** [2022]
- Secured a percentile of **99.50 %** among **1.1 million** candidates in **JEE Mains** [2022]

## EXTRACURRICULARS

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- Played a pivotal role as a **cinematographer and crew member** in a web series project, contributing to the visual storytelling and production process within the esteemed film-making club at IIT Bombay.
- Collaborated as an **Assistant Director in the production of the graduation project film 'Wo Seher'**
- Took a **YouTube channel** from inception to over **2.8 million subscribers and garnered more than 3 million views** in a span of three months, showcasing effective content strategy and channel management skills
- Completed a two-semester course in **Fine Arts** conducted by National Sports Organization (NSO)
- Secured the highest prize, in a city-level **General Knowledge competition and a Google Hunt event**
- Successfully completed a **15 km marathon** in honor of Chatrapati Shivaji Maharaj Jayanti
- Played a role in the inauguration of the Oxygen Park, joining over 5000 individuals in planting **10000+ plants**