

# Sushant Kumar Das

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## Front End Developer

Motivated and detail-oriented Front-End Developer with 1.5 years of hands-on experience in creating dynamic and responsive web applications. Proficient in HTML, CSS, and JavaScript, with a strong understanding of modern frameworks like React. Skilled in collaborating with cross-functional teams to deliver high-quality projects on time. Adept at optimizing web performance and ensuring a seamless user experience across various devices and browsers.

## KEY COMPETENCIES

New product development	CAD modelling and analysis	Presentation and review
System engineering	Written & Oral communication	Root cause analysis
Technical design & documentation	Mentoring & leadership	Client & Vendor Development

## PROFESSIONAL EXPERIENCE

### BLuJ Aerospace, Hyderabad

June 2023- Present

#### CAD Engineer & Tooling, Web Developer – Front End

Design and development of BLuJ Aerospace website.

- Website design for company as front end developer using figma, HTML, CSS, JS, React.Js
- Rendered realistic aircraft images for website using AUTODESK fusion 360, Blender.
- Solving critical design issues by testing individual components for performance limits
- Generating Bill of Materials (BOM), 3D model rendering, product enclosure-using sheet metal designing
- Designed modular part assembly, which effectively made the system compact by ~20%.

Design and development CAD models of a hydrogen-electric hybrid aircraft for an autonomous EVTOL arial vehicle for cargo applications.

- Structure development for aircraft with aerospace applications with strict weight and volume limitations.
- Designed mould for upper skin, lower skin, rear spar, front spar and fixtures for inspection.
- Participated in setting up a safety test lab for fuel cell and hybrid power pack systems capable to test upto 60kW capacity.

Design of a passenger aircraft using blender.

- Designed EVTOL aircraft for 10 passenger seating capacity and 1000KG payload.
- Made animation video for 3 different aircrafts and high quality realistic rendered images with different environments.
- Developing interior design for aircrafts with considering quality and argonomics.

### GDSC Assosiate

Nov 2023- Sep 2024

#### Graphic Designer (Self Employed)

Development of a websites and graphic designs.

- Designed graphics for website and certificates for Google WOW 2024.
- Lead Graphic designer for Google cloud.

### AIM CLUB (MLRIT)

Nov 2023 – Present

#### Graphic Designer and photography (Self Employed)

Sales and marketing for Geographical India 2024

- Designed stalls keeping in view of the Government of India's initiative to build 'Atmanirbhar Bharat' and 'Local goes Global', ASSOCHAM with the support of Ministry of MSME, Govt of India is organizing “Bharat GI Mahotsav”
- Organized Generative AI event within campus with 3D models for better understanding for participants.
- Lead event planner for traditional day 2024 with in campus with 2 lakh budget.

Designed and developed press tools for automobile sector.

- Conducted a performance study based on the operational parameters of the system, analyzed flow for press tools cad design and assembly.
- Evaluated system and subsystem level requirements, designed the control system as per the specified requirements.
- Designed and tested special requirement equipment and parts for high-pressure, high-temperature applications.
- Conducted design analysis and designed reactors, flow distributors, cooling.
- 3D- CAD model rendering and in house assembly of 800 Tonn Press machine.

## EDUCATION

### **MLR Institute of Technology (Present)**

#### **Bachelor of Technology in Artificial Intelligence and Machine Learning**

- Awarded best performer in 2nd semester
- Developed VR project on manufacturing using UNITY.
- Got patent on Wonder lens application for educational purpose (Augmented Reality)

### **Central Institute of Tool Design (MSME) (2019-2023)**

#### **Diploma (4 Years), Central board**

75%

### **Siddhartha High School (2019)**

#### **Secondary education, SSC board**

9.2 grade point

## TECHNICAL SKILLS

HTML	● ● ● ● ●	CSS	● ● ● ● ●	Java Script	● ● ● ● ●
React.js	● ● ● ●	Unreal Engine	● ● ● ● ●	Figma	● ● ● ● ●
Angular	● ● ● ●	Microsoft Visual studio	● ● ● ● ●	Blender	● ● ● ● ●

## SOFT SKILLS

Conceptualization	Team Player	Adaptability
Innovative Thinking	Creative designing	Communication
Critical thinking	Leadership	Decision-Making

## DECLARATION

I hereby declare that all the above furnished information is true to the best of my knowledge

Sushant Kumar  
Das

Date: 1-10-2024