



Dhruv Prakashbhai Patel

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ABOUT ME

I am a design engineer navigating my career toward robotics and automation. Besides my work, I enjoy Photography and Traveling. Further, I am also inclined to Movies and Philosophy.

WORK EXPERIENCE

Product Design Engineer

ITT Corporation India Pvt. Ltd. [15 Aug 2021 – 10 Mar 2022]

Address: Plot No. 731, Manjusar GIDC Savli Road, near IDEX, , 391775 Vadodara, Gujarat (India)

City: Vadodara

Country: India

Website: <https://www.ittindia.in/About/Technology-Center/>

Name of unit or department: Technology center - **Business or sector:** Manufacturing

As a design engineer, my work was associated with CAD customization in the Global engineering standards group, primarily working on customization and automation projects for the engineering team of [ITT Goulds Pump](#), Seneca falls, USA. I worked with ITT Goulds Pump on a third-party contract through [bluechip info corp pvt. ltd.](#)

Undertaking the following duties:

1. CAD/ CREO customization and GUI development using C++, VB.NET/VBA, and Python
2. Implement product design automation to optimize the process cycle time.
3. Work in close coordination with cross-functional teams.
4. Ensure on-time delivery with an improved first-time yield of the project
5. Develop and implement project activities

EDUCATION AND TRAINING

Master of Science (M.Sc.) - Mechanical Engineering, ISE, spec. Mechatronics

University of Duisburg-Essen [1 Apr 2023 – Current]

Address: Forsthausweg 2 Building LG, 47057 Duisburg (Germany)

Website: <https://www.uni-due.de>

GOETHE-ZERTIFIKAT A1-B2

Ahmedabad School of Linguistics (ASL) [1 Jun 2021 – 25 Oct 2022]

Address: 303 - Commerce Six, Commerce Six Rd Near Samved hospital, 380009 Ahmedabad (India)

Final grade: B1 - 346/400, B2 - 287/400

IELTS

Kanan International | Study Abroad Consultant, IELTS, GRE [1 Dec 2020 – 1 May 2021]

Address: Titanium City Center - Corporate Offices, 4th floor 100 Feet Anand Nagar Rd, 380015 Ahmedabad (India)

Website: <https://www.kanan.co/classroom/ielts-classes-in-ahmedabad/>

Final grade: B2



Bachelor Of Engineering

Silver Oak College Of Engineering And Technology [8 Jul 2016 – 8 Oct 2020]

Address: Block B, Sarkhej - Gandhinagar Highway, Gota, 380061 Ahmedabad, Gujarat (India)

Website: <https://silveroakuni.ac.in/>

Field(s) of study: Engineering, manufacturing and construction

Final grade: 7.87 – Level in EQF: EQF level 6

National classification: BE/BTech – Type of credits: CBCS – Number of credits: 240

Activities and Skills:

1. learned to use different CAD/CAM software
2. participated in various seminars and events related to design and analysis
3. deeply involved me in product design and universal design concepts
4. Won the first prize in an inter-college hackathon (Developing convenient mobility system for millennials)

Higher Secondary Certificate Examination

Sardar Patel and Swami Vivekanand High School [2014 – 2016]

Address: Natvarlal Raval Marg, Chandranagar Society Basant Nagar, Maninagar, 380008 Ahmedabad (India)

Final grade: B1 (363/500)

Secondary School Certification

Sardar Patel and Swami Vivekanand High School [Mar 2014]

Address: Natvarlal Raval Marg, Chandranagar Society Basant Nagar, Maninagar, 380008 Ahmedabad (India)

Final grade: B1

TRAINING AND INTERNSHIP

Diploma In Principal And Application Of Digital Fabrication - Fab Academy

[15 Jan 2019 – 19 Jul 2019]

Fab Academy is a 6-month diploma program conducted and directed by [Prof. Neil Gershenfeld](#), director of MIT's Center for Bits and Atoms. It was a very intensive course in which participants were taught to develop skills that are primary to any product development.

Activities and societies:

1. Application of Parametric Design in CAD/CAM
2. Electronic Circuit Design
3. Embedded Programming
4. Additive Manufacturing
5. CNC Milling and Cutting
6. Networking and Interface
7. Teamwork and Collaboration

My final project of the Fab-Diploma course:

1. [Smart Bin](#)

LANGUAGE SKILLS

Mother tongue(s): **Gujarati** | **Hindi**

Other language(s):

English

LISTENING C1 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

German

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2



DIGITAL SKILLS

Software, GUI and Application Development

VBA / C / C++ / Git / Python / OpenCV / OpenFrameworks

Mechanical Engineering and Robotics Software

Fusion 360° / Solidworks / Linux / Matlab & Matlab/Simulink / PTC-Creo / ROS (beginner) / Autodesk AutoCad / Autodesk Eagle

Embedded Systems

PCB Design / Raspberry Pi / Arduino

Web Development

HTML / CSS / Github/Gitlab