Ankush Patre

Roll Number : 194205025
M.Des - Master of Design
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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Des	Indian Institute of Technology, Guwahati	9.14 (Current)	2019 - Present
B.Tech (Automobile)	SRM University, Kattankulathur, Chennai, TN	9.43	2015
Intermediate (12th)	Board of Intermediate Education, A.P	92.3%	2011
S.S.C (10th)	Maharashtra State Board	85.23%	2009

Experience

- **Associate Engineer - 1 at 'Cognizant Technology Solutions'** *Sep 2015 - Mar 2019*
  Part of product development team as dynamic database developer in agile project methodology on AWS Environment and worked on domains like Insurance, Banking and Life Science. Interacted with different clients to demonstrated the product features and for the improvement.

- **Intern at 'Continental Automotive Component Pvt. Ltd.'** *Jan 2015 - Apr 2015*
  Completed final year thesis on 'Design and Fabrication of Mechanical and Electronic equipment's for the purpose of training and simulation of Autonomous Maintenance in the realm of TPM.'

- **Intern at ''Premium Vijimech Pvt. Ltd.'** *Jun 2014 - Jun 2014*
  Industrial training for a duration of 2 weeks where complete study on Quality control of products and maintenance of industry was done.

- **Intern at 'Valeo Friction Material India Ltd.'** *May 2013 - Jun 2013*
  Industrial training on Manufacturing of Automotive Clutch Facings for a duration of 2 weeks.

Publications

- **Simulation of Commercial Vehicle for Multiple Utilities** *ICAT 2014*
  Dr. M. Leenus Jesu Martin, Professor & HOD, Department of Automobile Engineering, SRM University, Kattankulathur

- **Perfect Fuel Notification & Accurate Mileage for CI Engine Operated Automobile** *ICCSME 2014*
  Mr. C. Prabhu, Assistant Professor, Department of Automobile Engineering, SRM University, Kattankulathur

Projects

- **Designing and virtual Ergonomic Evaluation of Mobile COVID-19 testing facility.** *May 2020 - Ongoing*
  Assoc. Prof. Sougata Karmakar, Dept. of Design, IIT Guwahati.

- **CREATED'20 - Social Robot to nurture creativity and Innovation in students.** *Mar 2020 - May 2020*
  Prof. Iko Avital, SCE Israel, Asst. Prof. Charu Monga, Dept. of Design, IIT Guwahati
  Collaborative project between Israel & India. The aim was to design a social robot for students to help them in nurturing creativity and innovation in order to generate more ideas.

- **Touch - Liquid level indicator for visually impaired (STP)**   *Jan 2020 - May 2020*
  Assoc. Prof. Sougata Karmakar, Dept. of Design, IIT Guwahati
  To design and develop a cost effective and innovative liquid level indicating product to provide visually impaired with the most opportunity to act independently.

- **Animal Haven - one stop platform for animal enthusiasts**   *Aug 2019 - Nov 2019*
  Academic Design methods project mentored by Asst. Prof. Pratul Kalita, DoD, IIT Guwahati
  Graphical interface to bridge the communication gap between the common people and animal rescue organization.

- **Punch It - Redesign of belt hole punch plier**   *Jan 2020 - May 2020*
  Academic Ergonomics project mentored by Asst. Prof. Urmi Salunke, DoD, IIT Guwahati
  To identify ergonomic issue in the existing design of the belt hole punch plier and redesign it to make it more ergonomically effective.

- **Self adjusting blades based on human proximity detection**   *May 2014 - May 2015*
  Dr. Joselin Retna kumar, Asst. Prof. (Sr.G), Electronics and Instrumentation Engineering, SRM University, Kattankulathur Mr. S. Thiyagarajan, Asst. Prof., Department of Automobile Engineering, SRM University, Kattankulathur
  Selected for semi final round of "Texas Instruments Innovation Challenge India Design Contest 2015", which was held at IIT Madras.

Technical skills

- **Design Tools:** KeyShot 8, Catia V5, Solidworks 2017, Adobe Photoshop CC, Adobe Illustrator CC, Adobe InDesign CC, Adobe XD CC, ANSYS, CFD, Microsoft Office Tools.
- **Design Skills:** Design Thinking, Conceptualization, Sketching, 3D Modelling & Rendering, Illustration, Prototyping.
- **Programming languages & Database management:** Unix Shell Scripting, Pl/SQL*, mySQL, SQL Server, File Based, Oracle.
- **Miscellaneous :** Informatica, Teradata*
- **Operating system :** Windows, Linux

  * Elementary proficiency

Key courses taken

- Digital Human Modelling and Simulation in Product Design
- Ergonomics
- Design Methods
- Form Studies
- Creativity Innovation and Design Management*

- Structural Packaging Design
- Graphic Design
- System Design for sustainability*
- Collaborative Design Methods in New Product Development *

  * To be completed in Dec 2020

Positions of Responsibility

- Annual corporate event organization team member for Data Warehouse domain at Cognizant Technology Solutions, Pune in 2016.
- Design Team Head, vehicle chassis and CAD, in TEAM FULL THROTTLE, official SRM team for National level Go-kart Championship, hosted by ISNEE.
- Coordinated events held by SRM Society of Automotive Engineers (SAE) Club.

Achievements

- **University Rank :** Secured 3rd Rank in B.Tech, Automobile Engineering program based on performance during 2011-2015 at SRM University, Kattankulathur.
- **Best Research Paper Award :** Awarded best paper award for "Simulation of Commercial Vehicle for Multiple Utilities", in the International Conference on Automobile Technology (ICAT-14), Pune.
- **Performance Based Scholarship Award :** Obtained Performance Based Scholarship award in year 2011-2012, year 2012-2013 and year 2013-2014.
- **NGKC-2014 :** Secured 4th position in Pre-Final Round for National level Go-Kart Championship -2014 held in Indore on 5th July 2014.
- **Dance Event :** Awarded 2nd position for the event 'Dance' in JHALAK'12, SRM University.

Extra-curriculars

- **Fashion Show:** Participated in Fashion Show Competition held in IIT Bombay as a part of Cultural Meet 4.0.
- **Toy Design workshop :** Attended a 2-day workshop on Toy Design at DOD, IIT Guwahati.
- **Leather Product Design workshop :** Attended a 2-day workshop on Leather Product Design at DOD, IIT Guwahati.
- **TATA MOTORS & YAMAHA Workshop** : Attended TATA MOTORS & YAMAHA Workshop held by MIT as a part of Automeet, a national level tech fest of MIT, (Chennai).
- **Event Participation**: Participated in events such as 'Tech NO Mania', 'Aero Modelling' held by SRM SAE Collegiate Club.