CHIRAG SHAH

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EDUCATION

K. J. Somaiya College of Engineering (KJSCE), Mumbai   **October 2020**

Secured a Bachelor of Technology (B. Tech) in Mechanical Engineering: CGPA 7.17 out of 10
Core courses: Industrial Management, Project Management, Modern Techniques in Manufacturing, Production Process, Industrial Electronics, Finite Element Analysis, Optimization, Theory of Machines, Energy Conversions

PROFESSIONAL EXPERIENCE

Accenture - *Associate Software Engineer*   **Jan 2021 - Present**
SAP ABAP Developer

Catalyst Composites Solutions, Mumbai - *Intern-Mechanical Engineer*   **August 2020 - November 2020**
A consultancy company which provides mechanical driven design and engineering solutions on industrial based problems.
Project: Floating Solar
Project: Rooftop Waterproofing using Flexible Solar Panels
Project: Edge Inspection of Steel Sheet

iRobokid, Mumbai - *Marketing Assistant*   **June 2018 – July 2018**

PROJECTS

B. Tech final year project - *Fault Analysis of Bearings using frequency domain (Labview)*   **August 2019 - May 2020**
- The project aims for condition monitoring of healthy bearing using fast fourier transform by collecting data from NI LabView and NI DAQ cards and data was processed to obtain statistical features.
- Artificial Neural Network was trained with statistical features of Time domain vibration signals. For given sample data, the output was correctly predicted using Artificial Neural Network. Further, an algorithm was developed using an Artificial Neural Network which predicts the outcome instantaneously based upon the given training data and thus eliminates the need to perform the above process repetitively. And thus providing an accurate automated system.

DBIR - *Database management in additive manufacturing using MySQL and Visual Basics*   **2018**
- Developed a program in Visual Basics 6.0 to find types of 3D printers for the user and provide information about the same
- User could choose the printer he is interested and look for information like cost, availability and various detailed specifications of a particular printer
- Database of various instruments was saved in MySQL which was linked to VB. Design of GUI and database for a mechanical application was constructed

TOM - *Prototype of Cam Driven Scissors using Modern Manufacturing Techniques*   **2018**
- Made a working model of "Cam Driven Scissors" using various modern manufacturing techniques and presented its kinematic analysis
- Cam was made of wood, shapes and grooves were processed using milling machine; scissors were made from acrylic using a laser cutting machine; small parts in the mechanism were 3D-printed
- Various rapid prototyping machines were explored

PUBLICATIONS

"Automated System for Condition Monitoring of Deep Groove Ball Bearing using Frequency Domain and Artificial Neural Network",
International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, Volume: 07, Issue: 10, (Oct 2020)

"Disruptions faced by industries in the Global Supply Chain due to Covid - 19"
International Engineering Journal for Research and Develop- IEJRD, Volume 5 Issue 9 (Dec 2020)

TECHNICAL SKILLS

- **Programming languages**: Basics of C, MySQL, Virtual Basics, LabView
- **Software skills:**
  1. 2D design - Autodesk AutoCad
  2. 3D design - Autodesk Inventor, Solidworks (cleared Associate-level exam)
  3. Analysis software - ANSYS
- **Other skills:** Welding, Carpentry, PCB layout, Lathe Machine Operations (Turning, Facing, Threading, Boring, Drilling), 3D Printing, Laser-cutting, Milling machine

CERTIFICATIONS

R programming (Online Course) on Coursera by John Hopkins University	**2020**
Excel for Business (Specialization Course) on Coursera by Macquarie University,Sydney-Australia	**2020**
Supply Chain Management (Specialization Course) on Coursera by Rutgers University, NJ-USA	**2020**
Mechanical Design (Online Course) - Associate level by Dassault Systems	**2018**

POSITIONS OF RESPONSIBILITIES

Core Member of KJSCE Insignia, the Art Team of KJ Somaiya College of Engineering   **2017-18**
- Elected as the Core Member at 'KJSCE INSIGNIA'- art club of the college.Oversaw creation of unique arts and installations in technical, sport, cultural fests from 2017 to 2018.
- Managed a team of 40 Members & inventory of the Art Team of Insignia
- Responsible for setting goals for the team & communicating needs with the college administration
- Critical in setting the agenda, preparation & execution of plans & buying & budgeting of materials
- Organised an Art Mela in India's largest Maker movement, MakerMela

EXTRA-CURRICULAR ACTIVITIES

Volunteer in Beautification of Ghatkopar Station, Parvaah - *the social initiative of our college*	**2017**
Voluntary Blood Donation	**2017**
Part of Organizing Group for KJSCE's Cultural fest (Symphony) and Technical fest (Abhiyantriki)	**2016**
ICT Marathon (10-km run)	**2018**