# VIQHAR AHMED

**BE ENGINEER**

## CONTACT


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## OBJECTIVE

A highly motivated and enthusiastic mechanical engineering graduate with a passion for programming and web technologies. Eager to leverage my skills in Java, SQL, and web development to contribute effectively to innovative projects and achieve professional growth.

## LANGUAGE

- ENGLISH ★★★★★
- HINDI ★★★★★
- KANNADA ★★★★★

## TECHNICAL SKILLS

- Programming Languages: Java ★★★★★
- Database: SQL ★★★★★
- Web Technologies: HTML and CSS ★★★★★
- CAD Software: AutoCAD, SolidWorks ★★★★★

## INTEREST

- Robotics and Automation: Enthusiastic about the application of technology to automate processes and improve efficiency.
- Renewable Energy: Passionate about sustainable solutions and exploring ways to harness renewable energy sources.
- Product Design: Interested in creating innovative and functional products that address real-world needs.

## SKILLS

- Strong problem-solving and analytical skills developed through academic projects and coursework.
- Excellent communication and teamwork abilities fostered during group projects and extracurricular activities.
- Adaptability and quick learner, demonstrated by successfully completing various courses and self-directed learning in web technologies.
- Awarded for academic excellence and outstanding performance in various engineering competitions.

## PROJECTS

### Regenerative Shock Absorber

- A regenerative shock absorber is a type of shock absorber that converts parasitic intermittent linear motion and vibration into useful energy, such as electricity.
- Conventional shock absorbers simply dissipate this energy as heat.

### DESIGN AND ANALYSIS OF CONNECTING ROD

- Design engineering is mainly focusing on the design, weight etc. of different components of the ic engine, so that engine efficiency can be increased.
- Connecting rod is the vital component because it is transferring force from piston to the crank and converting reciprocating motion to rotational motion.

### Design and Analysis of a Mechanical Component

- Utilized SolidWorks and AutoCAD to design and simulate a mechanical component for enhanced efficiency in an automotive application.
- Conducted Finite Element Analysis (FEA) to assess the structural integrity and optimize the design.
- Presented findings and recommendations to faculty members and fellow students.

### Web Development for E-commerce Platform

- Designed and implemented a responsive website for a fictional e-commerce platform using HTML and CSS
- Incorporated user-friendly features and responsive design principles for seamless navigation.

### Java-Based Student Management System

- Developed a Java application for a student management system with functionalities for student registration, attendance tracking, and grade management.
- Implemented SQL database integration to store and retrieve student data.

### SQL Database for Employee Records

- Designed a relational database using SQL to store and manage employee information.
- Created queries for data retrieval, insertion, and modification, ensuring data integrity.

## EDUCATION

### Bachelor of Technology in Mechanical Engineering -

NAVKIS COLLEGE OF ENGINEERING

## ACHIEVEMENTS

- ✔ Participation in CIGMA India.
- ✔ Participation in the solar energy training and got a certificate.
- ✔ Participation in Basic Computer Knowledge (DCA)
- ✔ Recipient of the Academic Excellence Award for outstanding performance in Mechanical Engineering.
- ✔ Participated in various robotics competitions and won awards for innovative designs and problem-solving skills.
- ✔ Won medal in chess competition at college level
- ✔ Won medal in football in the inter-college competition.