**STEPHY**

**STEPHY.372814@2freemail.com**

**BE in Electrical & Electronics Engineering**

**PROFILE SUMMARY**

Undertaken project regarding study of **Finite Element modelling** & its applications

Attended trainings based on **power system operation & control**

**Experienced teaching professional** from industrial training department

Recognized as **technical consultant** in food processing machinery manufacturers

**PROFESSIONAL EXPERIENCE**

**Technical Consultant, Pilotsmith India Pvt. Ltd, India**

Worked as Technical Consultant for the designing and manufacturing of food and ayurvedic products processing equipments.

**Junior Instructor, Govt. Industrial Training Institute, India**

 Worked as Junior Instructor in the trade of electrician and trained students in the field of digital electronics and basic electrical engineering concepts

**Foundation Course Faculty, Dilibs Coaching Classes, India**

 Worked as foundation course coaching faculty of mathematics for Engineering Entrance Examinations conducted in All India levels

**EDUCATION**

**Bachelor of Engineering in Electrical & Electronics Engineering** from P.B. College of Engineering, affiliated to Anna University, Chennai with a CGPA of 8.28

**Academic project regarding Finite Element Modelling** that uses Finite Element Analysis in ANSOFT software package to simulate electric &magnetic field in devices with uniform cross section or rotational symmetry & also its practical application in determining Rail gun key parameters.

**Short term training programme on Power System Operation & Control** organized by OHM Energy Management System Pvt. Ltd.

**PERSONAL DETAILS**

Date of Birth : 24-07-1990

Age : 27 years

Sex : Female

Nationality : Indian

Religion : Christian

Marital Status: Married

Visa Status : Dependent (Husband)

 Valid Till : 05- 07 2020

**LANGUAGES KNOWN**

English

Malayalam

Hindi

Tamil

**CORE COMPETENCES**

Software packages and programming languages like C, C++.

Project Management, documentation and Project Development analysis

Report Preparation, Process improvements and Project Scheduling

Individualized tutoring & training with diverse teaching techniques

**CREDENTIALS**

Secured eligible score of 396 in GATE

Academic winner of the institution for Engineering.

Awarded with Merit cum Means Scholarship

Participated in various seminars and paper presentations

**ACADEMIC PROJECT DETAILS**

Topic: Study of Finite Element Modeling & its Applications

DESCRIPTION - Finite Element Modelling uses Finite Element Analysis in a software package to solve electric field, magnetic field & eddy current related numeric problems. The solution approach is based either on eliminating the differential equation completely or rendering PDE into an approximating system of ODE which are numerically integrated.

SOFTWARE PACKAGE – The Maxwell 2D field simulator or ANSOFT which is an interactive software package that uses finite element analysis to simulate electric &magnetic field in devices with uniform cross section or rotational symmetry.

APPLICATION – Rail gun is an electromagnetic apparatus that drives an armature along rails to achieve velocities going up to several thousands of meters per second by means of magnetic repulsion without using an explosive propellant. Rail gun key parameters such as proper rail dimension and designs can be determined by using Finite Element Modelling technique.