

# Syed Khalid

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## SKILLS

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- **Programming Languages:** Python, MATLAB,  $\text{\LaTeX}$ , Java, MySQL.
- **Mathematical Skills:** Linear Algebra, Differential Equations, Mathematical Reasoning.
- **Behavioral Skills:** Enthusiastic Self-Learner, Strong Communication & Presentation, Committed & Hardworking.

## EXPERIENCE

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- **Project:** : Worked on a Guided Project conducted by Imperial College London on implementing *Finite Element Method* for solving PDEs using Python from scratch.
- **Courses:** :
  - **Practical Numerical Methods using Python:-**  
Completed from Ludwig-Maximilians-Universität München (LMU), on Coursera with a 91% grade. Implemented the following methods :-  
*Finite Difference, Pseudo-Spectral, Finite Element, Spectral.*
  - Have a good exposure to Quantum Mechanics and other undergraduate Physics subjects through courses done from MITOCW and NPTEL.
  - Completed a course on Advanced Calculus in MATLAB: in 1st semester with top grade.
  - Other online courses done on NumPy, Matplotlib, Scipy, Pandas, FEniCS, SymPy, Git collaboration & Linux.

## EDUCATION

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- **BTech. Electrical and Electronics**

(Completed 1st Sem with 8.9 GPA )

*Since Sep. 2021*

Vellore Institute of Technology

*Vandalur, Chennai*

- **Grade 12**

(Aggregate - 90%)

*June 2021*

National Public School (CBSE)

*Gopalapuram, Chennai*