

Subham Patel

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EDUCATION

- **Indian Institute of Science Bengaluru** Bangalore, India
Ph.D. in IISc Mathematics Initiative(IMI) Aug 2023 - Present
- **National Institute of Technology** Rourkela, Odisha, India
Integrated M.Sc. in Mathematics Aug 2018 - May 2023
Cumulative Performance Index(CPI): 8.23
- **National Institute of Technology** Rourkela, Odisha, India
Minor in B.Tech Electrical Engineering Aug 2018 - May 2023
Cumulative Performance Index(CPI): 8.24
- **DAV Public School Jharsuguda** Odisha, India
Higher Secondary Examination (12th) July 2015 - May 2017
Percentage: 86.8%
- **Ghanashyam Hemalata Vidya Mandir Jharsuguda** Odisha, India
High School examination (10th) July 2014 - May 2015
Cumulative Performance Index(CPI): 9.2

ACHIEVEMENTS AND QUALIFICATION

- Secured **AIR 144** (98.94 percentile) in **GATE** (Mathematics) 2022.
- Secured **AIR 130** in **CSIR NET(LS)** (Mathematics) 2022.

RESEARCH AREA

Numerical Linear Algebra, Wavelet Method for Scientific Computing.

ACADEMIC PROJECTS

- **Time Fractional Convection Diffusion Reaction Equation** : Advisor - Prof. Ankur Kanaujiya NIT Rourkela, India
Used Compact Finite Difference Scheme Convection Diffusion Reaction Equation problem. Jan 2023-April 2023
- **Finite Difference Method for Black-Scholes Equation**: Advisor - Prof. Ankur Kanaujiya NIT Rourkela, India
Learned Compact Finite Difference Scheme to find the numerical solution of fractional Black-Scholes Equations. Aug 2022-Nov 2022
- **Quadrature Method for solving Integral Equation**: Advisor - Prof. Subash Chandra Martha IIT Ropar, India
Worked on Solving Integral and Integral Equation using Quadrature Method. May 2022-Jul 2022

TECHNICAL SKILLS

- **Programming Languages** : Python, C, MATLAB
- **Documentations** : LaTeX, HTML, Word Pad, Notepad
- **Software** : MS Word, MS Excel, MS PowerPoint, MS Office.

EXTRA CURRICULAR ACTIVITIES

- Joined NSS (2018-2020) to teach the High School Student in Jagda Orphanage.
- Participated in Intra hall Badminton competition.