Rohith K
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EDUCATION

- **B.S. Electrical Engineering and Computer Science**
  Indian Institute of Science Education and Research (IISER), Bhopal, India
  CPI: 8.87/10   2021 - Present

- **Higher Secondary / +2**
  St. Antony's Public School, Anakkal, Kerala, India
  Percentage: 96.2%   2019 – 2021

- **Secondary**
  Peralassery AKG Smaraka Govt. HSS, Kannur, Kerala, India
  Percentage: 100%   2018 – 2019

PROJECTS & CONTRIBUTIONS

- **An Overview of Quantum Random Access Memory**
  Work done as part of a research internship under Dr. Kuntal Roy.
  Involved extensive literature review in the field of Quantum Machine Learning   June 2023 - July 2023

- **Autonomous Cleaning Boat**
  Contributed to the design and electronics team of an Autonomous Boat
  which identifies and collects garbage from waterbodies using Computer Vision   February 2023 - Present

- **Brain Tumour Classification (Course Project - ECS308)**
  Classification of brain tumours into Lower Grade Glioma or
  GlioBlastoma Multiforme using Machine Learning   August 2023 - Present

TECHNICAL SKILLS

- **Programming and Scripting Languages**
  Python, C, Java, Mathematica, Matlab,

- **Tools and Libraries**
  Qiskit, NumPy, SciKitLearn, TensorFlow

ACHIEVEMENTS / AWARDS

- **Subject Runner Up in Mimamsa 2023**
  Subject Runner up in Mimamsa 2023 -undergraduate science competition conducted by IISER Pune   2023

- **Inculcate Scholarship**
  One among 43 students selected for a state level scholarship by the Kerala State Science and Technology Museum   2018

- **Inspire MANAK - State Level**
  Participated in the state level exhibition of projects under Inspire-MANAK scheme by
  the Department of Science and Technology, Govt. of India   2018

POSITIONS OF RESPONSIBILITY

- **Core Member**
  Computing and Networking Council, IISER Bhopal   June 2022 - Present

- **Core Member**
  Humans of IISERB, Environmental and Social Initiative Council, IISER Bhopal   2022-2023

WORKSHOPS AND CONFERENCES

- **Quantum Computing: Introduction to Algorithms and Implementation using Qiskit**
  Summer School organized by IISER Tirupati and QKrishi   May-June 2022

- **Conference on Quantum Information and Quantum Technologies 2023**
  Online conference organized by IISER Kolkata   May-June 2023

RELEVANT COURSES

- **PHY106**: Quantum Physics   2022
- **ECS201**: Discrete Mathematics   2022
- **ECS203**: Basic Electronics   2022
- **ECS204**: Signals and Systems   2023
- **ECS202**: Data Structures and Algorithms   2023
- **MTH202**: Probability and Statistics   2023
- **PHY206**: Physics through Computational Thinking   2023
- **ECS307**: Theory of Computation (ongoing)   2023
- **ECS308**: Data Science and Machine Learning (ongoing)   2023
- **PHY303**: Introduction to Quantum Mechanics (ongoing)   2023