- **Position Title:** Research Scientist at Trust Lab
- **Duration:** 1 Year
- **No. of Position(s):** 1
- **Reporting to:** PIC/ Prof. Vinay Riberio
- **Location:** Powai, Mumbai
- **Salary Band:** PR-O3 (58800-109200), Other allowances as applicable
- **About Trust Lab AT IIT BOMBAY:**
  In today's modern society, characterized by an increasingly interconnected and heavily digitalized world, the concern for security and privacy has emerged as a paramount issue. With our lives intricately woven into the fabric of the digital realm, our extensive digital footprint leaves us vulnerable to potential threats and breaches. Just as we prioritize fundamental aspects such as food security, border protection, and energy stability, the significance of digital security and privacy must not be underestimated. Founded on September 15, 2022, IITB Trust Lab is a pioneering initiative tackling the critical need for digital security and privacy. The Trust Lab is driven by a mission to establish a secure digital space for individuals from all walks of life.
- **Key Responsibilities:**
  - Research on performance scalability and security of layer-1 blockchains such as Ethereum & Bitcoin, and layer-2 blockchain solutions such as Raiden Network and Lightning Network
  - Translate the research into FOSS tools if it makes a good case
  - In addition to research, the PIC may assign reasonable academic tasks such as preparation of educational material on blockchains and/or administrative tasks depending on the need.
- **Desired Profile:** The candidate should have a PhD degree, preferably in Computer Science with research expertise in blockchain or related fields, and should have published research papers in leading computer science conferences or journals.

- **General information:**
  The position is contractual for a period of 1 year but renewable as per Institute's guidelines and tenable only for the duration of the program. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview.