

# Pranav Gade

pranavg.me

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## EDUCATION

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- **Indian Institute of Information Technology** Lucknow, India  
*Bachelor of Technology in Computer Science and Artificial Intelligence; Current GPA: 9.53* Dec. 2020 - present
- **Rao Junior College of Science** Andheri, Mumbai, India  
*Higher Secondary Certificate; Percentage: 83.5%* Apr. 2020
- **Ryan International School** Kharghar, Mumbai, India  
*Indian Certificate of Secondary Education; Percentage: 93.5%* May. 2018

## EXPERIENCE

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- **QuantCo** Zürich, Switzerland  
*SWE Intern* Jun 2021 - Aug 2021
  - Worked on QuantCo's internal toolchain for evaluating SQL databases performance for data science.
  - Containerized the benchmarker and deployed it to Google Kubernetes Engine.
  - Benchmarked and evaluated BigQuery, Microsoft SQL server, PostgreSQL, and Snowflake database systems.
  - Designed and developed QuantCo's engineering hiring challenge, [challenge.quantco.com](https://challenge.quantco.com)
- **KDE Community** Nov 2018 - present  
*Open Source Developer, GSoC Mentor*
  - **networkmanager-qt**: a Qt wrapper for NetworkManager API - during Google Code-in 2018
  - **marK**: a multimedia annotation tool for ML - during Season of KDE 2021 as a participant; and during Google Summer of Code 2021 as mentor.

## AWARDS & ACHIEVEMENTS

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- **Google Code-in 2018 Grand Prize Winner** 2018
  - Google Code-in is a contest by Google to encourage participation in open-source software. I completed 34 tasks in the contest and was selected as the Grand Prize winner by KDE Community.
  - As a part of the prize, I was invited to Google's Headquarters in Mountain View, California.
- **Ranked 52 out of 15817 globally in PicoCTF** 2019
  - CTFs are cybersecurity competitions consisting of a series of challenges where participants must reverse engineer, break, hack, or decrypt to solve the challenges. PicoCTF is a contest organized by security experts at Carnegie Mellon University.
  - My team was ranked 52nd out of 15817 among high school and college students from around the world.

## PROJECTS

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- **jLHS**: fast and tiny HTTP/1.1 server written in Java without any dependencies, supports GET and POST requests
- **Java-Disassembler**: .class file parser and serializer. Also disassembles code from compiled Java code.
- **FabricHax**: A minecraft mod to automate repetitive tasks
- **PhonePut**: An android application that turns your device into an input device for your computer
- **htcpcp-impl**: Implementation of rfc2324 - Hyper Text Coffee Pot Control Protocol (HTCPCP/1.0)
- **networkmanager-qt**: NetworkManagerQt provides access to all NetworkManager features exposed to Dbus API
- **marK**: A machine learning dataset annotation tool which allows users to annotate multiple types of data
- **My website**: [pranavgade20.github.io](https://pranavgade20.github.io)

## SKILLS

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- **Programming Languages/Frameworks**: Java, Python, C++, C, JavaScript/NodeJS, Bash Scripting, Rust, R, Haskell, 8085 Assembly, x86 Assembly, Kotlin, Groovy
- **Reverse Engineering/Information Security**: Ghidra, Radare2, Android Studio, GDB, Wireshark
- **Other Software**: Linux, Docker, Kubernetes, Google Cloud, git/mercurial, Gradle, Android, PostgreSQL, Snowflake, MongoDB, Regex, JSON, LaTeX