

Pranav Gade

pranavg.me

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EDUCATION

- **Indian Institute of Information Technology** Lucknow, India
Bachelor of Technology in Computer Science and Artificial Intelligence; Current GPA: 9.53/10 Dec. 2020 - present
Relevant Coursework: Data Structures, Algorithms, Object Oriented Programming, Digital Communications, Automata Theory, Database Management Systems, Operating Systems, Artificial Intelligence, Big Data Analytics

EXPERIENCE

- **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
- **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

- **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

- **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

SKILLS

- **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