

Pranav Gade

pranavg.me

Email: pranavgade20@gmail.com

LinkedIn: linkedin.com/in/pranav-gade

EDUCATION

- **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

- **QuantCo** Zurich, 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.
 - Added support for and evaluated Microsoft SQL server, Snowflake, PostgreSQL and BigQuery databases.
 - Designed and developed QuantCo's engineering hiring challenge, challenge.quantco.com
- **KDE Community** Nov 2018 - present
Open Source Developer
 - **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

- **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, decrypt, or do whatever it takes to solve the challenge. PicoCTF is a contest organised 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.
- **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 got a week long all-expenses paid trip with a parent to Google's Headquarters in Mountain View, California.

PROJECTS

- **jLHS**: jLHS fast and tiny HTTP server written in Java without any external dependencies
- **FabricHax**: A minecraft mod to automate repetitive tasks
- **PhonePut**: An android application that turns your device into an input device for your computer
- **SubPlain player**: A video player that explains explains what the subtitles mean to those who are new to the language
- **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
- **3D Modeling/Design**: Blender, Inkscape, GIMP, ffmpeg, imagemagik
- **Reverse Engineering/Information Security**: Ghidra, Radare2, Android Studio, GDB, Wireshark
- **Other Software**: Linux, Docker, Kubernetes, Google Cloud, git/mercurial, Gradle, vim, Android Studio, PostgreSQL, Snowflake, MongoDB, Regex, JSON, Latex

CERTIFICATIONS

- Data Manipulation with pandas ([DataCamp](#))
- Joining Data with pandas ([DataCamp](#))
- Intermediate Data Visualization with Seaborn ([DataCamp](#))
- Dealing with Missing Data in Python ([DataCamp](#))
- Reshaping Data with pandas ([DataCamp](#))
- Working with Categorical Data in Python ([DataCamp](#))
- Introduction to R for Finance ([DataCamp](#))
- Intermediate R for Finance ([DataCamp](#))
- Manipulating Time Series Data with xts and zoo in R ([DataCamp](#))

COURSES

• Advanced Programming Language • Calculus • Data Communications • Data Structures • Discrete Mathematics • Fundamentals of Electronics Engineering • Introduction to Programming • Linear Algebra and Ordinary Differential Equations • Object Oriented Methodology • Optimization Techniques • Probability and Statistics • Theory of Automata • System Management • Professional Communication