

KANISHK SINGLA

Barnala, Punjab 148101

📞 9877523048 ✉ kanishk  

Education

Indian Institute of Technology Mandi

Bachelor of Technology - Computer Science and Engineering; CGPA: 8.36 (Till 6th semester)

Mandi, Himachal Pradesh

- Relevant Courses - Data Structures and Algorithms , Operating Systems , Computer Networking , Database Management System , Applied Database Practicum , Computer Organization , Computing and Data Science

Experience

Arista Networks

Software Development Intern

June'23 - Aug'23

Bangalore, India

IPFIX Simulator | Go , IPFIX

- Design IPFIX packets which transmit flow information of network from exporter to collector. It involved defining packet structure for different types of devices and sending these packets over a UDP connection to collector.
- Main aim of this was to test flow collector if it is decoding the packet correctly and generating notifications. Unit as well as e2e integration testing were also performed.

Projects

Backup Utility [GitHub Link] | C++ , Python , Firebase , Meson , Boost

- A tool which store backup of our data and is user friendly.
- It support functionalities like pull , push , add , commit and log as similar to git.
- It involves extensive use of OOPS in C++ and firebase is used to store the data.

Mandi Mart [Github Link] | Django , HTML , CSS , JS , Bootstrap

- A fully functional E-Commerce website in which user can sign up , add an item to cart and add quantity of the product/item.
- Front End implemented on HTML , CSS and JS. Django is used in Backend.

WINGS-Flight Search Engine [Github Link] | SQL , HTML , CSS , JS , PHP

- It is a flight search engine system where a particular user first login and then check for flight availability and can book ticket.
- Frontend is done using HTML , CSS and JS. PHP is used in backend and database requirements are met using MySQL.

Technical Skills

Languages: C++ , Go , Python , SQL , HTML , CSS , JS , PHP

Relevant Libraries: STL , Pandas , Numpy , Matplotlib , Boost

Frameworks: Django , Bootstrap , Docker

Platforms: Visual Studio Code , Github

Coding Achievements

- Became **Expert** on Codeforces- Handle.
- Achieved a maximum rating of **1607** on codeforces.
- Secured a global **rank of 621** among 20,702 other candidates in Codeforces Round 799.
- Cleared **NTSE Stage-1** from Punjab in 2018.

Responsibilities

- Volunteer in Sponsorship Team of **Xpecto'22** (1st Tech Fest of IIT Mandi).
- Teaching Assistant in Data Structures and Algorithms course.