

KANISHK SACHDEV

Pennsylvania, PA +91 82962 01276 kqs6171@psu.edu

<https://kensac.github.io/portfolio/>

<https://www.linkedin.com/in/kanishk-sachdev/>

<https://github.com/kensac>

EDUCATION

The Pennsylvania State University

B.S Computer Science

Pennsylvania, PA

2022 – 2026 (Expected)

- **Relevant Courses:** Programming and Computation, Calculus With Analytic Geometry, Microeconomic Analysis and Policy, Rhetoric and Composition

Royale Concorde International School (CBSE)

High School Diploma

Bangalore, India

2008 - 2022

- Grade 12 GPA: 91/100
- Grade 10 GPA: 91.9 / 100

TECHNICAL SKILLS

- Programming Languages: Python, C, C++, HTML, CSS, JavaScript, MySQL
- Libraries: Scikit-Learn, TensorFlow, OpenCV, Pandas, NumPy, Bootstrap, TailWind
- Tools: Git, LaTeX, Anaconda, Abode Suite, Microsoft Office

PROFESSIONAL EXPERIENCE

Ekovort Services Pvt. Ltd.

Software Development Intern

Bangalore, India

Mar 2021 - May 2021

- Developed a program to scrape the GEM portal for relevant tenders and check if the product meets the required specifications.
- Set up a database to store order and bidding history in a database.
- Used previous order history and competitor bidding history of devising bidding strategies using regression.
- Tender bid success rate grew from 32% to 46% resulting in increased sales and revenue.
- Technologies used: Python, Selenium, JavaScript, SQL

Intel Corporation

Machine Learning Student

Bangalore, India

Dec 2020- Feb 2021

- 1 of 100 students selected for the AI4Youth program from schools across India following a series of tests.
- Programmed an NLP Bot using Decision Tree capable of detecting and reporting spurious accounts created on social media
- Attained accuracy of 85% while used on Instagram datasets.
- Learnt machine learning concepts, libraries such as scikit-learn and Keras
- Technologies used: Python, scikit-learn, Keras

PROJECTS

Reddit/ Twitter/ Instagram Bot

July 2022 - Present

- Designed a bot to connect various social media accounts together.
- Automated simultaneous content posting across all platforms.
- Provides insights on best post times, content engagement and target audience.
- Working on implementing automatic responses and comment moderation.
- Technologies used: Python, Tweepy, Requests, PRAW, Facebook Graph API, Matplotlib

Algorithm Visualizer

May 2022 - June 2022

- Developed an app to show the functioning of various sorting algorithms.
- Allow the user to change sample size, compare runtime and memory usage, and modify the cosmetics of the program.
- Technologies used: Python, PyGame

Library Management System

Aug 2021 - Jan 2022

- Developed a scalable library management system to digitise and automate school library using MySQL, Python, OpenCV
- Automated borrowing and returning of books, utilised user data to provide borrowers with book recommendations
- Created an OpenCV system that scans ID cards to handle logins and scans books to manage the borrowing of books
- Made the system touchless and eliminated the requirement of face-to-face interactions with library staff
- Technologies used: Python, MySQL, TKinter, OpenCV

Bitcoin Mining

2018 – 2019

- Set up a Bitcoin Mining rig consisting of Gridseed Blade and Gridseed Multi processor miners.
- Set up the devices using C with help of online tutorials.
- Technologies used: C

LEADERSHIP & ACTIVITIES

School Captain

Bangalore, India

Royale Concorde International School

2021 - 2022

- Elected representative of student body comprising of 2000 students
- Revamped student council, created and led 5 committees comprising of 50 members
- Organised various Inter & Intra-school events such as Annual inter-school Cultural fest, art and singing competitions
- Initiated the school's first-ever monthly newsletter.
- Took initiatives to encourage the use of preferred pronouns, requested management to introduce Gender-Neutral uniforms

President Model UN Club

Bangalore, India

Royale Concorde International School

2020 - 2022

- Converted intra-school event to first ever inter-school competition (RoMUN)
- Organised competition and oversaw operations; hosted over 400 participants from 50 schools
- Designed a website to handle registration and provide information and documents to participants
- Conducted orientation for Juniors and Peers, highlighting the competition's rules and how to research and prepare.

AWARDS

- Silver (Jan 2022) and Bronze (Dec 2021) at USA Computing Olympiad (USACO)
- Participated in 31 Model UN's with accolades in 26 (2019-2022)
- Received award for Best Rover Design by Synapse Robotics Center (Apr 2019)

TEST SCORES

- SAT: 1480/1600
- TOEFL: 109/120
- IELTS: 8.0/9.0

ADDITIONAL INFORMATION

- Languages: English, Hindi, Oriya, Sanskrit