

KANISHK SACHDEV

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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)

Grade 12

Bangalore, India

2020 - 2022

- **GPA: 91/100**
- **Relevant Courses:** Mathematics, Informatics Practices, English, Physics, Chemistry

Royale Concorde International School (CBSE)

Grade 10

Bangalore, India

2008 - 2020

- **GPA: 91.9 / 100**
- **Relevant Courses:** Mathematics, Information Technology, English, Science, Social Studies, Hindi

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 to devise 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 AI4Youth program from schools across India following series of tests.
- Programmed a 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

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, modify cosmetics of visualizer.

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 a OpenCV system that scans ID card to handle logins and scans books to manage 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

Royale Concorde International School

Bangalore, India

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 use of preferred pronouns, requested management to introduce Gender-Neutral uniforms

President Model UN Club*Royale Concorde International School***Bangalore, India***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, provide information and documents to participants
- Conducted orientation for Juniors and Peers highlighting the rules of the competition, 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 Synase Robotics Center (Apr 2019)

TEST SCORES

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

TECHNICAL SKILLS

- Programming Languages: Python, C, C++, HTML, CSS, JavaScript, MySQL
- Tools: Git, LaTeX, Anaconda, Abode Suite, Microsoft Office

ADDITIONAL INFORMATION

- Languages: English, Hindi, Oriya, Sanskrit
- Hobbies: Cooking, Photography, Scuba Diving