About Arush:

1. Family
    a. I have 2 parents and a younger brother.

2. Hobbies
    a. Sports:
        i. My favorite sport is badminton. I have been training in badminton from the age of 13 to 16. I was a part of my high school's badminton team and we played against other schools in our area. I play both doubles and singles in badminton.
        ii. I also enjoy playing volleyball a lot.
        iii. I play soccer and basketball too, but only with friends.
    b. Movies:
        i. Some of my favorite movies are Knives Out, Murder on the Orient Express, The Grand Budapest Hotel and Spiderman: Across the Spider verse.
        ii. I mainly enjoy the crime, thriller and mystery genres.
    c. TV Shows:
        i. My favorite tv shows are The Office, Breaking Bad and Squid Game
        ii. I tend to watch all kinds of tv shows.
        iii. I always binge tv shows.
    d. Reading:
        i. I tend to read for at least 30 minutes before sleeping every day.
        ii. I read fiction books.
        iii. Similar to movies, the genres I enjoy the most are crime, thriller and mysteries but I am open to reading anything.
    e. Technology & Coding:
        i. I enjoy learning about coding and technology related topics.
        ii. I get most of the information about these topics from YouTube.

3. College:
    a. Studies:
        i. I am studying computer science in University in the United States currently.
        ii. I am planning to graduate in May 2026
        iii. Outside of computer science, I am interested in history and archeology, specifically history about the Greek and Roman civilizations.
        iv. I am planning to take courses in Artificial Intelligence and Machine Learning once I finish the course requirements for my degree.
    b. Clubs:
        i. I am a part of the machine learning, badminton and astronomy clubs on campus, and I am planning to join the Archery club soon.
    c. Other activities:
        i. I play table tennis and pool with my friends.
        ii. My friends and I do movie nights every Friday/Saturday

4. Food:
    a. I mostly like Asian cuisines such as Singaporean, Thai and Japanese.
    b. I also like the Italian and German food that you find in Singapore.
    c. Some of my favorite restaurants are Sanook Kitchen, Brotzeit and Marche.
    d. I am the type of person who prefers to keep going to the same restaurants,
    e. I enjoy trying new food with friends.
5. Technical Skills
    a. Languages:
        i. Python,
        ii. Java
        iii. HTML/CSS
    b. Developer Tools:
        i. Git
        ii. Miro
        iii. Gitbook
        iv. Kaggle
        v. VS Code
        vi. Google Collab
        vii. Jupyter Notebooks
        viii. Hugging Face
    c. Libraries:
        i. Pandas
        ii. NumPy
        iii. Matplotli
        iv. OpenCv
        v. Tensorflow
        vi. Keras
        vii. PyTorch
6. Education
    a. University in USA
    b. Bachelor of Science in Computer Science Exp. Graduation: May 2026
    c. Coursework:
        i. Object oriented programming (Python, Java),
        ii. Calculus I
        iii. Calculus II
    d. GPA 4.00/4.00
7. Experience
    a. Engineering Intern | Movel AI, Singapore Jun - Jul 2022
        i. Wrote a technical white paper on Seirios RNS's (Movel AI's flagship robotic mobility software) technology stack for Movel AI's clients, streamlining support requests.
    b. Developed a software installation guide and troubleshooting decision tree for Movel AI's team and clients.
    c. Organized and updated Movel AI's Gitbook for improved comprehensibility.
    d. Gained valuable experience about the application of technologies such as Ubuntu, Robot Operating System (ROS), Miro, MongoDB, RabbitMQ, Redis and PostgreSQL.

8. Projects
    a. Hack UMass 2023 | Python, PyTorch, HTML, CSS - Nov 2023
        i. Developed an anonymous message board that leveraged two PyTorch models from Hugging Face to perform sentiment analysis on messages and if they are detected to have a negative sentiment, performed Text2Text transformation from negative to neutral sentiment.
    b. Image Classification on CIFAR-10 | Python, NumPy, Pandas, Tensorflow, Keras, Matplotlib, Kaggle - Mar 2023
        i. Compared the performance of the AlexNet and VGG-16 architectures to a custom one, all made by the tensorflow sequential model on the CIFAR-10 Dataset.
        ii. Analyzed the results in a research paper and drew conclusions on how CNNs work and the importance of optimizing an architechture for a specific dataset.
    c. MATE ROV Competition | Python, Java, OpenCV, NumPy - Aug 2021 – Jun 2022
        i. Secured 2nd place in the 2022 MATE ROV Telepresence World Championship as the Programming lead for the team ORCA Robotics.
        ii. Developed computer vision code for autonomous tasks using python and OpenCV. MATEROV-ORCA-2022
    d. TISB ML-Thon | Python, NumPy, Pandas, scikit-learn - Jan 2022
        i. Achieved 14th out of 24 teams and developed a logistic regression model for a bank deposit prediction problem as a part of Team Cachists. Bank Deposit Prediction - ML-thon 2022
    e. MIT's Blueprint Hackathon | HTML/CSS - Mar 2022
        i. Participated in a two-day hackathon; learned web design and worked with 3 other teammates to design a website on social issues.
    f. First Robotics Competition | Java, WPILib Jan 2019 - Jan 2021
        i. Founding member and programming lead of FRC Team "Beyond the Flames" (8235). FRC-8235-2021
        ii. Won the 2021 "Rookie Game Changer" award at the "Infinity Recharge at Home" awards.
    g. Clubs
        i. Machine Learning Club | Member | Sep 2023 - Current
        ii. Astronomy Club | Member Sep | 2023 - Current
        iii. Badminton Club | Member Sep | 2023 - Current
        iv. Cyber Club | Head of Academics | Sep 2021 - Mar 2022
            1. Organized the writing and publishing of articles on AI, Machine Learning, Deep Learning and Databases to 800+ Instagram followers.