

Profile

Personal information

Name	GOYAL, SOUMIL
Share different name	No
Birthdate	02/08/2006

Contact details

Email, Phone	soumil.goyal@yahoo.com.sg, +1.832-212-5160, Mobile, +65.85485804, Mobile
Permanent address	33 Margaret Drive #33-230 Singapore, 140033, SGP

Demographics

Gender Identity	Male
Sex	Male
Pronouns	He/Him
Military status	None

Language

Hindi	First Language, Speak, Read, Write, Spoken at Home
English	First Language, Speak, Read, Write, Spoken at Home
Mandarin	Speak, Read, Write

Geography and nationality

Citizenship status	Citizen of non-U.S. country
Birthplace	Mumbai, India 9 years US
Other citizenships	Singapore
Current US Visa	E-2 Dependent of Treaty Investor, 20222298780003 Issued: 09/23/2024

Common App fee waiver

Fee waiver requested Yes, Signed: SOUMIL GOYAL

Family

Household

Parents	Married
Home	Other, Living in Army barracks (not supported by any parents nor guardians)

Parent 1

Mother

Name	Mrs. Dolly Goyal (Mittal)
Email, Phone	dreamgirl2106@yahoo.com, +1.832-773-9978, Mobile
Occupation	Other, Dance Teacher, Self-Employed
Education	Graduated from trade school or community college Masters (2002), MKP College, New Road race course, Dehradun, Uttarakhand, India

Parent 2

Father

Name	Mr. Ashish Goyal
Email, Phone	ashigoyal1@gmail.com, +1.281-687-9342, Mobile
Occupation	Engineer, Employed, Semptra Infrastructure
Education	Graduated from trade school or community college Other (1999), Amravati University, New Express Highway, Ram Meghe Square, Badnera, Amravati, Maharashtra, India

Siblings

Dhruv Goyal, Age 14

Education

Current or most recent secondary school

Mirabeau B Lamar Senior High School, 3325 Westheimer Rd, Houston, TX, USA, Public, CEEB: 443405 (09/2020 - 06/2024)

Progression	No change in progression
Graduation Date	06/2024

Colleges & universities

Grades

Rank	16 / 776, Weighted
GPA	4 / 4, Unweighted

Current or most recent year courses

First semester	Second semester
CALC - IB HL AA Mathematics - (IB)	CALC - IB HL AA Mathematics - (IB)
PHYS - IB HL Physics - (IB)	PHYS - IB HL Physics - (IB)
LANG - IB HL Mandarin Chinese - (IB)	LANG - IB HL Mandarin Chinese - (IB)
COMPSCI - IB SL Computer Sciences - (IB)	COMPSCI - IB SL Computer Sciences - (IB)
ENG - IB HL English Language and Literature - (IB)	ENG - IB HL English Language and Literature - (IB)
HIST - IB Psychology SL - (IB)	HIST - IB Psychology SL - (IB)
OTH/ELE - IB Theory of Knowledge - (IB)	HIST - Personal Financial Literacy & Economics - (GFTED)

Honors

39 Robotics trophies including Vex Worlds Inspiration All Star Award and National Quarterfinalist	State/Regional, National, International	10, 11, 12
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2nd-Ranked Extemporaneous	State/Regional, National	10, 11
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**Speaker in NSDA South
Texas; 2x Debate
Nationals Qualifier**

Autodesk University Industry Talk Host (2023)	International	12
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Ambition Accelerator Top Voted Idea & "Inspirational" - Mark King (Taco Bell CEO)	National	11
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Future Engineers Veterans' Pin Design Challenge National Finalist	National	11
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Community-based organizations

CBO 1	Lamar College Corner
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Counselor

Email, Phone

CBO 2	Communities In Schools
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CBO 3	Lamar Writing Lab
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Future plans

Other, Roboticist, Doctorate

Testing

SAT tests

Evidence-based Reading and Writing	750	12/01/2023
Math	750	03/21/2023
Taken	2	
Planned	0	
SAT Essay	No	

AP Subject Tests

Government & Politics: United States	5	05/2023
World History	5	05/2022
Human Geography	5	05/2021

IB Subject Tests

Physics-HL-English	04/2024
Psychology-SL-English	05/2024
Computer Science-HL-English	04/2024
English A: Language and Literature-HL	04/2024
Mathematics Analysis and Approaches-HL	04/2024
Chinese B - Mandarin-HL	04/2024

Activities

Robotics

10, 11, 12
School, Break, Year
14 hr/wk, 40 wk/yr
Continue

Team Captain/President, DiscoBots: FRC, Vex, Combat Robotics, and Outreach Teams

Manage 80+ members & 10 teams to create industrial-level, internationally accomplished robots; made team history in most awards each season.

Research

10, 11, 12
Break
3 hr/wk, 20 wk/yr
Continue

Founder/President, Robust Adaptive Network Disaster Response System

Invent & lead a novel solution to disaster response with support of the Mayor of Houston, Taco Bell Foundation, DiscoBots, ION Houston, and more.

Athletics: JV/Varsity

9, 10, 11, 12
School, Break, Year
9 hr/wk, 40 wk/yr
Continue

Other Sport, Black-Belt & Jyokyonim (Instructor), Houston Center For Taekwondo

Learn & compete under the World Taekwondo Federation for sparring, forms, and weapons. Help guide ~10 state-level competing students.

Debate/Speech

10, 11, 12
School
6 hr/wk, 37 wk/yr
Continue

Team Captain/President , Lamar Competition Speech & Debate Team

Competed nationally; guide 50+ students in NSDA, TXFA, UIL and HUDL tournaments; managed through administration to handle organizational tasks.

Other Club/Activity

10, 11, 12
School
2 hr/wk, 30 wk/yr
Continue

Founder/President, Pedal Power Community Project

Solo community welfare project of off-grid, resilient, and climate aware power generation solutions. Won \$750 from NWF and installed the project.

Internship

11, 12

Intern & CNC Specialist, ION Houston Prototyping Lab

CA GOYAL, SOUMIL CEEB: 443405 Fall 2026

School, Break
4 hr/wk, 19 wk/yr
Continue

Restored a professional CNC machine for community use; maintained this industrial facility's manufacturing & engineering equipment.

Internship

10, 11, 12
School, Break
2 hr/wk, 30 wk/yr
Continue

Web Developer/Designer, Steps For Dancing

Learned to design, program, and launch websites; Create and maintain an online presence to help my mother's startup:
<https://www.stepsfordancing.com>

Theater/Drama

9, 10
School
12 hr/wk, 30 wk/yr
Continue

Troupe Officer & Varsity Play Productions Actor, International Thespians Honours Society

Acted in various lead, sub-lead, and technical roles for play productions; coordinated productions, rehearsals, and competitions amongst ~50 members.

Science/Math

12
School
4.5 hr/wk, 36 wk/yr
Continue

Team Captain/President, Lamar Competition Mathematics Team

Compete at a regional and state level in 3 events; manage and mentor 15+ students in competition, SAT, UIL, and higher-level mathematics.

Community Service (Volunteer)

10, 11, 12
School
1.5 hr/wk, 20 wk/yr
Continue

Den Chief; Patrol Lead (2021), Boy Scouts of America (Troop 55)

Achieved Star ranking in USA's largest troop; Volunteer to guide younger scouts in new skills & activities; organized camps and lessons for my patrol

Responsibilities and circumstances

- Farm work or unpaid work for a family business
- Managing family or household finances, budget, or paying bills
- Working at a paid job to contribute to my household's income
- Living independently or living on my own (not including boarding school)

Writing

Personal essay

Some students have a background, identity, interest, or talent that is so meaningful they believe their application would be incomplete without it. If this sounds like you, then please share your story.

“Let’s walk around this way” someone says, but I can’t hear them. While all the others are on their detour, I am spellbound by this hulking giant. Its rusty forks unfold with a practiced ease, aligning perfectly with the sleeves of the commercial waste unit. The machine raises this vessel with a confidence born of experience, feeling the weight through the depression of its front-axle suspension. Once ready, it swings the massive load over the front, resonating clanking vibrations that ripple through the surroundings, turning the mundane act of waste disposal into my captivating spectacle. As the payload is turned upside down, it’s hung high over the receiving hopper, dumping an avalanche of waste. In this moment, the *dump truck* is more than just a machine; it’s a reminder of my identity, interests, and mindset.

In the same way I was transfixed by the dump truck’s machinery, whenever I find a fascinating piece of software, structure, or science, I lose track of time, putting myself in the position of that product developer. I ponder on the foresight the engineers had to make certain that the garbage truck’s forks are still usable even if the vehicle is on an incline. I admire the programmers that created robust threads of continuous sensor-checks that protect from thousands of failures. I look up to the designers who had to ensure the garbage truck’s center of gravity would remain positioned well enough that swinging the heavy bin over the front wouldn’t be a hazard.

All these ingenious thinkers juggled countless factors like durability, cost, safety, manufacturing difficulty, regulations, repairability, and time-constraints to finish this spectacular product, an invention that serves as a backbone of essential infrastructure.

As I aspire to be part of that impactful community of makers, I am continuously thankful that I have the opportunity to lead in a similar way. For example, from my current experience as the team captain of a large, growing robotics team, I practice the intricate trade-offs, balances, and decision making required of a successful leader. While managing 80+ members across 7 separate schools to develop industrial-level, internationally competing robots, I regularly face crossroads where all decisions come with a list of cons and wishes of pros. Every path is uncertain: every path looks good, yet every path seems bad. Although such a position deters most minds, I find myself, again, spellbound by the role of this leader. I swiftly, yet level-headedly, analyze possibilities to proceed on the best-seeming path, conquering obstacles, failures, and surprises along the way.

Additionally, these successes never happen alone. Akin to the way that garbage trucks don’t function without waste containers, and the whole system doesn’t work without landfills, I recognize the vitality of collaboration and work with all to achieve greater accomplishments.

Furthermore, as I advance through this maze of choices, I make use of my deeply reflective nature to squeeze all the lessons learned from any result through the process. This builds a collection of clues and maps, an arsenal of experience to guide future journeys. Moreover, I am always ready to discard any opinion or notion proven wrong along the way, disciplining myself that my attachment to any beliefs should not restrict my potential and my actions.

This combination of observation, decision-making, leadership, and reflection is a core mentality so meaningful to me that all my successes are attributed to this critical mindset. More importantly, all my failures are systematically reflected upon and built from to enhance my overall foresight and character for the future. With this approach, a cornerstone of my identity, I aim to leverage these traits in guiding teams towards collaborative success.

By weaving the harmony of curiosity, adaptability, and resilience into the fabric of leadership, I endeavor to inspire others in navigating our world's intricate terrains, unveiling unique, impactful solutions—each akin to their own dump truck, a critical culmination of multifaceted design with purposeful execution.

Additional information

In my activities section, I mentioned 'Robust Adaptive Network (RAN)' and 'Pedal Power'. RAN was inspired by my family and friends' experiences with the Mumbai Floods, Turkey Earthquakes, Hurricane Harvey, and Winter Storm Uri. It is a system of drones and rovers that delivers supplies, provides satellite communications, and relays live data during natural disasters. This project won \$1500 in the National Ambition Accelerator competition (as noted in the honors). I am developing this patent-pending innovation to disaster response technologies with the support of the Mayor of Houston's office, the Taco Bell Foundation, ION Houston, and others. Pedal Power is another project I founded. It's a stationary bicycle that charges electronic devices through the rider's pedaling. This project won \$750 from the National Wildlife Federation for its implementation. Pedal Power has now been installed in my school's common area; it encourages exercise, demonstrates off-grid power solutions, and raises awareness of electricity wastage.

Another important aspect of my educational journey I wish to highlight is my long-running mission of learning Mandarin. After my family moved from India to Singapore, I began learning Mandarin to better connect with the predominantly Chinese community. Through school and self-study, I gradually gained fluency comparable to native-speaker peers. However, after my family moved from Singapore to the US, learning Mandarin became much harder due to fewer resources and reduced daily use. Regardless, I persisted and have now won speech contests, can write essays, and hold fluent conversations in Mandarin. This journey was especially meaningful because I have no Chinese background or familial guidance, making the "hardest language in the world" even harder to learn.

Additionally, I would like to highlight my community involvement as reflected in my community hours log: <https://soumilgoyal.com/index.html#community-service-log>

Thank you for reviewing my application.

Education progression

Details

Education progression details No change in progression

Courses & Grades

Course levels legend

REG - Regular/standard
 ACC - Accelerated
 ADV - Advanced
 AP - Advanced placement
 Cambridge AICE AS A-Level - AS/A-level/International A-level, Cambridge AICE
 C PREP - College prep
 DUAL - Dual enrollment
 ENRCHD - Enriched
 Cambridge IGCSE - GCSE, IGCSE
 GFTED - Gifted
 HGH HNR - High honors
 HON - Honors
 INTSV - Intensive
 IB - International Baccalaureate
 PRE IB - Pre-international Baccalaureate
 RGNTS - Regents
 N/A - Not applicable

Non-numeric/letter grade legend

I - Incomplete
 NG - No grade
 F - Fail (Pass/Fail)
 P - Pass (Pass/Fail)
 S - Satisfactory
 U - Unsatisfactory
 W - Withdrawn
 WF - Withdrawn (Failed)
 ME - Medical excuse

Grade 9

Mirabeau B Lamar Senior High School, 3325 Westheimer Rd, Houston, TX, USA, CEEB: 443405

School Year 2020-21

Schedule Semesters

Subject	Course Name	Level	Grades (1-100)			Credits		
			S1	S2	Final	S1	S2	Final
OTH/ELE	SUBJ1	N/A	100	100		0.5	0.5	
MATH	ALG 2	PRE IB	100	100		0.5	0.5	
HIST	APHUMGEO	AP	99	98		0.5	0.5	
BIOL	BIO	PRE IB	99	98		0.5	0.5	
OTH/ELE	HLTH ED1	N/A		98			0.5	
ENG	ENG 1	PRE IB	100	100		0.5	0.5	
LANG	CHIN 2	PRE IB	100	100		0.5	0.5	
OTH/ELE	PRINBMF	GFTED	100	100		0.5	0.5	
ART	TH2	N/A	P	P		0.5	0.5	

Grade 10

Mirabeau B Lamar Senior High School, 3325 Westheimer Rd, Houston, TX, USA, CEEB: 443405

School Year 2021-22

Schedule Semesters

Subject	Course Name	Level	Grades (1-100)			Credits		
			S1	S2	Final	S1	S2	Final
HIST	APWHIST	AP	100	98		0.5	0.5	
CHEM	CHEM	PRE IB	99	99		0.5	0.5	
OTH/ELE	DEBATE 2 A	HON	99			0.5		
OTH/ELE	DEBATE 1 B	N/A		99			0.5	
ENG	ENG 2	PRE IB	99	99		0.5	0.5	
OTH/ELE	ENGDSRP1	N/A	100	100		0.5	0.5	
LANG	CHIN 3	PRE IB	100	100		0.5	0.5	
PRE-CALC	PRE CALC	PRE IB	99	99		0.5	0.5	
ART	TH2PROD	N/A	P	P		0.5	0.5	

Grade 11

Mirabeau B Lamar Senior High School, 3325 Westheimer Rd, Houston, TX, USA, CEEB: 443405

School Year 2022-23

Schedule Semesters

Subject	Course Name	Level	Grades (1-100)			Credits		
			S1	S2	Final	S1	S2	Final
HIST	APUSGOVT	AP	99			0.5		
OTH/ELE	DEBATE 1 A	N/A	100			0.5		
OTH/ELE	DEBATE 2 B	HON		100			0.5	
LANG	IBCHINHL	IB	99	99		0.5	0.5	
SCI	IBTACSSL	IB	97	99		0.5	0.5	
ENG	IBLANLTHL	IB	98	99		0.5	0.5	
CALC	IBMAAHL	IB	98	98		0.5	0.5	
PHYS	IBPHYSHL	IB	97	97		0.5	0.5	
HIST	US HIST	PRE IB	99	98		0.5	0.5	
OTH/ELE	IB TOK A	IB		98			0.5	

Grade 12

Mirabeau B Lamar Senior High School, 3325 Westheimer Rd, Houston, TX, USA, CEEB: 443405

443405**School Year**

2023-24

Schedule

Semesters

Subject	Course Name	Level	Grades (1-100)			Credits		
			S1	S2	Final	S1	S2	Final
ENG	IBLANLTHL	IB	99	99	99	0.5	0.5	1
CALC	IBMAAHL	IB	99	98	99	0.5	0.5	1
SCI	IBPSYCSL	IB	100	99	100	0.5	0.5	1
HIST	PRSFNLT ECO	GFTED		97	97		0.5	0.5
LANG	IBCHINHL	IB	100	98	99	0.5	0.5	1
COMPSCI	IBTACSSL	IB	100	97	99	0.5	0.5	1
OTH/ELE	IBTOK	IB	100		100	0.5		0.5
PHYS	IBPHYSHL	IB	99	99	99	0.5	0.5	1

Other courses

Mirabeau B Lamar Senior High School, 3325 Westheimer Rd, Houston, TX, USA, CEEB: 443405**School Year**

2018-19

Schedule

Semesters

Subject	Course Name	Level	Grades (1-100)			Credits		
			S1	S2	Final	S1	S2	Final
ALG	ALG 1	PRE IB	95	96		0.5	0.5	
GEOM	GEOM	PRE IB	6			0.5	0.5	
SCI	IPC	PRE IB	99	97		0.5	0.5	
ART	ART 1	N/A	100	98		0.5	0.5	
LANG	CHIN 1	N/A	100	100		0.5	0.5	

Carnegie Mellon University questions

General

Preferred start term	Fall 2026
Admission plan	Regular Decision
Do you intend to pursue need-based financial aid?	Yes
International Merit Scholarships	Yes
If Carnegie Mellon is not able offer you financial assistance, how would you intend to finance your Carnegie Mellon education?	I will pursue scholarships, loans, or work-study programs

Academics

College	College of Engineering
Department or School	Mechanical Engineering
College2	No Additional Preference
Department or School (second choice)	No Additional Preference
I acknowledge that as an applicant to this program I am required to submit test scores in order to complete my application and can choose among the SAT, ACT, International Baccalaureate (IB) exam (predicted or actual scores), Advanced Placement, Cambridge A-Level (predicted or actual results) and the French Baccalaureate (predicted or actual scores). If I choose to submit predicted scores/results for the IB	I understand

exam, Cambridge A-Level or French Baccalaureate I will be required to submit actual scores/results only if I am admitted and choose to enroll.

Schoolhouse Portfolio

<https://schoolhouse.world/transcript/029c87c6-b0a8-428a-b45a-be66cd305eee>

AIME/AOIME/AMC
Yes/No

No

Contacts

Previously applied

Yes 01/2024

If you wish to be contacted via mobile phone, please provide your phone number. Contact methods may include phone calls generated from an automated telephone dialing system or text messaging.

I consent to be contacted by Carnegie Mellon University at the mobile phone number provided below.

Mobile Phone Number:

+1.832-212-5160

Family

Sibling applied

No

Relatives attended member

No

Have any relatives ever worked for Carnegie Mellon University?

No

Parent different address

Yes

Which parent has a different address

Parent 1, Parent 2

Parent 1 Address

1415 Bonnie Brae St Apt F Houston, TX, 77006-5280, USA

Parent 2 Address

1415 Bonnie Brae St Apt F Houston, TX, 77006-5280, USA

Affirmations

By submitting this application, I affirm my understanding of and agreement to the statements found here: <http://www.commonapp.org/affirmations>.