Copy **Biographical Information**

Biographical

Prefix Mr.
First Name Yash

Middle NameShyamsunderLast NameKhandelwal

Sex Male

Birthdate 03/06/1997

Birthplace Ahmednagar, India

Contact

Email hsayyash88@gmail.com

Phone +1 887-434-5322 **Mobile** +91 8874345322

Mailing Address Flat No. 6, Kailash Apts.,

Shirke Mala,

B/H Hpt College Campus Nashik, Maharashtra 422005

India

Permanent Address Flat No. 3, Manas Apts.,

Shirke Mala,

B/H Hpt College Campus Nashik, Maharashtra 422005

India

Citizenship

Citizenship Status Foreign National

Primary Citizenship India

Ethnicity

Hispanic No Race Asian

Program Selection

Form Title **Program Selection**

Previous/current graduate student at another institution Are you a:

Have you ever been assigned a

gtID number?

(Any of the following would result in assignment of a gtID number: you've previously applied to Georgia Tech as either an undergraduate or graduate, had official test scores sent to Georgia Tech, or otherwise been

Select the program you want to

apply for

Computer Science - On Campus

Degree level

Masters Atlanta Campus Fall 2021 Term

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2/1/2021

01/30/2021

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('app deadline invalid')

Please answer the following questions related to academic goals and funding interest

Do you plan to apply to more than one Georgia Tech graduate

0

program?

Do you plan to pursue a Ph.D. in

the future?

Are you the first in your immediate family to earn a No

bachelor's degree?

Copy Academic History

Graduate #1

Institution Indian Institute of Technology (BHU) (000000)

Dates of Attendance 01/2018 - 06/2019

Location Varanasi, Uttar Pradesh, India

Degree MEQV-Mtech: 08/2019

Major Power Electronics

GPA 9.09 / 10

Undergraduate #1

Institution Indian Institute of Technology (BHU) (000000)

Dates of Attendance 07/2014 - 12/2017

LocationVaranasi, Uttar Pradesh, IndiaDegreeBACEQV-BTECH: 08/2019

Major Electrical Engineering

GPA 9.09 / 10



GRE

GRE Verified Score

Date: 11/06/2020 GRE Verbal: 161 (88%) GRE Quantitative: 168 (92%) GRE Analytical Writing: 5.0 (92%)

TOEFL

TOEFL-Internet-based Test (iBT) Verified Score

Date: 10/31/2020 TOEFL iBT Total: 113 TOEFL iBT Listening: 29 TOEFL iBT Reading: 30 TOEFL iBT Writing: 26 TOEFL iBT Speaking: 28



Job #1

Organization NameApple India Pvt. Ltd.Dates of Employment07/2019 - Present

Starting PositionIndividual Contributor Tech 2Ending PositionIndividual Contributor Tech 2

DescriptionI am a backend software engineer at the Ad Platforms team at Apple.
Our team delivers advertisement service for Apple News in countries

across the globe. I've got exposure working on a myriad of technologies such as DSA, OOP, Spring, Hibernate, Guice, Docker, Github, CI-CD,

SQL, Hadoop, Kafka, etc.

My role also allows me to closely collaborate with stakeholders of other teams, including those based in other countries such as the US, to

deliver product features through a cross-team effort.

Location Hyderabad, Telangana, India

Direct/Indirect Reports 0

Job #2

Organization NameKyushu UniversityDates of Employment05/2017 - 07/2017Starting PositionResearch InternEnding PositionResearch Intern

Description We designed and implemented a 2D rover that can navigate the real

world autonomously without any external inputs using particle filter based localization. We used raspberry pie as the main primary onboard computation device and April tags as anchors for the robot to navigate. For odometry, we used the rotations of the wheels of the robot in the polar coordinate system. I was able to successfully deliver the project in

the short period of my internship with promising results.

Location Fukuoka, Fukuoka, Japan

Copy Military Information

Form Title Military Information

Are you currently active duty, a veteran, a member of the National Guard, or a Reservist in the U.S. Armed Forces?

No

Are you the spouse or dependent child under the age of 24 of someone who is currently active duty, a veteran, a member of the National Guard, or a Reservist in the U.S. Armed Forces?

No

Are you currently active duty, a veteran, a member of the National Guard, or a Reservist in any Military or Armed force?Non-U.S.

No

Are you currently employed by or on leave from any non-U.S. Government Agency?

No



Reference #1

Type Academic
Name Dr. Hari Gupta

Organization Indian Institute of Technology (BHU), Varanasi, India

TitleAssistant ProfessorRelationshipDIH Project Advisor

Phone +887 4757229

Email hariprabhat.cse@iitbhu.ac.in

Waiver Waive my right to access this recommendation

Waiver Response I waive my right to access this report.
Waiver Signature Yash Shyamsunder Khandelwal

Recommendation Requested 12/05/2020 **Recommendation Submitted** 12/05/2020

Reference #2

Type Academic
Name Dr. R. Mahanty

Organization Indian Institute of Technology (BHU), Varanasi, India

Title Professor

Relationship M.Tech. Project Advisor

Phone +91 94505 40755

Email rmahanty.eee@iitbhu.ac.in

Waiver Waive my right to access this recommendation

Waiver Response I waive my right to access this report.
Waiver Signature Yash Shyamsunder Khandelwal

Recommendation Requested 12/05/2020 **Recommendation Submitted** 12/07/2020

Reference #3

Type Professional

Name Mr. Gowri Shankar Peddibhotla

Organization Apple India Pvt. Ltd.

Title Engineering Manager
Relationship Engineering Manager
+91 9900038608
Email gshankar@apple.com

Waiver Waive my right to access this recommendation

Waiver Response I waive my right to access this report.
Waiver Signature Yash Shyamsunder Khandelwal

Recommendation Requested 12/05/2020 **Recommendation Submitted** 12/17/2020

Copy Application Documents

Form Title

Application Documents

Will we receive any documents for you with a name other than what you listed in this application? No

Resume/Curriculum Vitae

You may upload your resume or curriculum vitae here.

Uploaded 12/05/2020

Self-reported Test Scores

TOEFL iBT Uploaded 12/05/2020
GRE Uploaded 01/08/2021

Citizenship Verification

Citizenship Verification Document

Uploaded 12/05/2020

What type of visa will you require to attend Georgia Tech?

F1

Personal Statement

Please state why you wish to study in your chosen program at Georgia Tech. Your statement should describe your academic background, training, and professional experiences. You should also mention honors, memberships, and extracurricular activities. Be sure

In the exponentially growing world of software, where technologies are created and discarded by the day, I understand the profound importance of continuous learning and growth. In line with the same, I wish to pursue a Master's in Computer Science from Georgia Tech.

I joined IIT (BHU) for undergraduate studies and was pleasantly surprised by the sophisticated culture that the campus had to provide. My leadership quality to accept challenges made me participate in clubs such as Robotics, Club-Of-Programmers, and Aero-modeling. Amongst these exploratory endeavors, I was introduced to the sphere of Computer Science. I quickly realized my knack for the subject and recognized its potential in my daily activities and projects.

The Aero-modeling club, till then, was mostly focused on the hardware and flight dynamics of the models. Wanting the club to become more innovative in its aspirations, I strived to bring in contemporary research activities such as autonomy in drones, picked up relevant projects, propelled the club's recognition, and acquired funding. I also actively expanded my knowledge — I self-taught data structures, algorithms, and machine learning. I also participated in competitive programming challenges to hone my skills. My achievements, career aspirations, and soft skills won me the prestigious YES Honda Scholarship by the Honda Foundation — an international award bestowed upon students excelling in science and technology. I was one of two selected from my university and went on to do a fully funded research internship under Prof. Shinji Hokamoto at Kyushu University in Fukuoka, Japan. I designed a 2D autonomous rover in my internship using particle filter-based localization and gained valuable international research exposure.

My desire to incorporate programming and leverage its capabilities is reflected even in my M.Tech project. I optimized device switching by implementing a prediction algorithm for the future binary states of the

Jopy Application Documents (continued)

MOSFETs. Given a particular state, the next possible states were determined offline and maintained. This reduced time during online computation, which allowed us to increase switching frequency by a factor of ten. This in turn significantly improved the quality of the output signal. This novelty led to publishing an international research paper in the reputed IET journal and highlighted my research capabilities.

With my interest and aptitude in programming, a career in software was a natural choice. I got the opportunity to work with the likes of Apple and Microsoft, in which I chose a software development role at the former. Apple development offices were in their nascent stages in India, hence I witnessed and was part of the various challenges such an atmosphere presented. Initially, we struggled with the lack of proper development infrastructure. Fortunately, I had great mentors guiding and working alongside me, and I made sure to keep up with the dynamic pace of a start-up like environment.

Despite little formal CS training, I proactively accepted as a challenge and delivered projects involving various technologies and disparate frameworks. I independently came up with an ingenious bash script to simplify server start-up on a local machine using a single line command, thereby boosting developer productivity across my team. In a few months, I had already started working on mainstream product features and developing byzantine APIs. Always ready to learn and grow, I parallelly volunteered to contribute to projects that my colleagues were working on and provide a fresh perspective. In our team's goal to move away from a monolithic architecture to microservices-based architecture, I pulled off the migration of two critical applications. This activity gave me exposure to containerization. I also instrumented graphs for our APIs and designed dashboards. This proved to be extremely beneficial to the team as it allowed us to track real-time performance in the services and swiftly debug production issues.

I got familiar with most of our business, the various APIs and services in a short period. Because of my exemplary performance in the deliverables and profound domain knowledge, I was made the primary owner of product feature development within a year. My colleague and I are currently working on a project involving major tech-stack upgrades and optimization of critical business APIs to make them more performant, a mammoth task that has at stake millions of dollars. In addition to all of this, I regularly participated in CSR activities, such as tree plantation and holding career motivation sessions for high school students.

I believe this is the right moment for me to take up higher studies in Computer Science. I am backed by strong exposure and hands-on training in the field and have an utmost desire to learn. I am taking this decision to re-calibrate my career and explore other domains in the field. A graduate program of CS would help me acquire command over broader and more contemporarily relevant areas of interest. The expertise that I would gain out of this program, will allow me to exploit my skills in R&D and in-turn, help me maintain my innovative streak. I am strongly inclined to work in Artificial Intelligence, which is the present

Copy Application Documents (continued)

and the future. I have prior experience working with various AI aspects such as Machine learning, Artificial Neural Networks, Image Processing, Information Retrieval, and Recommender Systems.

My goals, experience, and enthusiasm demand a complimentary environment that would direct my energies in the right direction. Backed by an experienced faculty and well-established research reputation in CS, I strongly believe that Georgia Tech is the right university for me. In addition to exceptional academics and facilities, the university sports a cosmopolitan culture and attracts like-minded individuals from around the globe with whom I envision to closely collaborate and share experiences.

I am deeply motivated to become a part of the legacy of this prestigious institution which has a rich alumni history. If given a chance, I would dedicatedly work with my full efficiency to justify the trust that the admission committee has placed in me.

Copy Safety and Legal Information

Form Title	Safety and Legal Information
Have you ever been convicted of a crime other than a minor traffic violation?	No
Are there any criminal charges currently pending against you?	No
Have you entered a plea of guilty, a plea of no contest, a plea of Nolo contendere, an Alford plea to a criminal charge, and/or a plea under a first offender act?	No
Do you currently have disciplinary or academic misconduct charges pending against you from a high school, college, or university?	No
Have you ever been disciplined, suspended, or expelled for conduct code violations from a high school or post secondary educational institution?	No



Certification

Signature Yash Shyamsunder Khandelwal

Date 01/30/2021

Indian Institute of Tachnology (बनारस हिन्दू विश्वविद्यालय) Banaras Hindu University





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Indian Institute of Tachnology (बनारस हिन्दू विश्वविद्यालय) Banaras Hindu University





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Yash Khandelwal

+91 88743 45322 hsayyash88@gmail.com

Education

Indian Institute of Technology (BHU), Varanasi, India (2014-2019)

CGPA:
Integrated Dual Degree (B.Tech. in Electrical Engineering and M.Tech. in Power Electronics)

9.09/10.00

Senior secondary school 2014 Board: CBSE 88%

Secondary school
2012
Board: CBSE
95%

Experience & Projects

APPLE INDIA PVT. LTD.; HYDERABAD, INDIA

JUL 2019-PRESENT

- Individual Contributor Tech - 2

M.TECH. PROJECT AND THESIS, IIT(BHU); VARANASI, INDIA

2018-19

- Control of a 21-level Hybrid Multilevel Inverter using Modified Finite Set Model Predictive Control with reduced switching stresses

B.TECH. PROJECT, IIT(BHU); VARANASI, INDIA

JAN-DEC, 2017

- Control of Multi-rotor by custom designed Android application using Bluetooth and WiFi

RESEARCH INTERNSHIP, KYUSHU UNIVERSITY; FUKUOKA, JAPAN

JUL-AUG, 2017

- Simulation and application of Particle Filter based SLAM on a Rover in 2D Plane

DIH PROJECT, IIT(BHU); VARANASI, INDIA

MAY-JUL, 2016

- Optimization of Visual SLAM (Simultaneous Localisation and Mapping) using ML/IP on UAV

Research Paper

Khandelwal, Y., Routray, A., Singh, R. K., & Mahanty, R. (2020). Reduced voltage stress hybrid multilevel inverter using optimised predictive control. IET Power Electronics, 13(14), 2983-2991. https://doi.org/10.1049/iet-pel.2019.1314

Skills

Programming Languages : Java, Python, C, C++, SQL, Bash

Frameworks/Libraries : Spring, Hibernate, Guice, Thrift, Numpy, iText, OpenCV

Technologies : Docker, Kubernetes, REST, Kafka, Solr, Arduino, Raspberry pie, Git, CI-CD

CS Exposure : Data Structures, Algorithms, Operating System, Object Oriented

Programming, System Design, DBMS, Information Retrieval, Machine

Learning, Image Processing, Neural Networks

Achievements

- CAT Percentile, 2019: 99.93
- Recipient of the Y.E.S. HONDA Award (2016) by the Honda Foundation
- Recipient of the award "HONOURABLE MENTION" (2017) for achievements and contributions in the field of Aero-modelling, Gymkhana, IIT(BHU)
- First Runner Up, Multi-Rotor event, Techkriti 2017, IIT Kanpur
- First Runner Up, Biz-craft, Prastuti-2016, Electrical Engineering Dept., IIT(BHU)
- Second Runner Up, Momentum (Water Rocket Event), Technex-2015, IIT(BHU)
- First Runner Up, Group Dance, Kashiyatra, 2015, IIT(BHU)
- First Runner Up, Group Dance, Aagman Fresher Event, 2014, IIT(BHU)
- JEE-Advanced Rank Holder: 2714 (General Category, Approx. 99.8 Percentile)
- Recipient of Maharastra Govt. Scholarship in 7th grade

Extra-curricular activities

- Head, Ascension, Technex-2017, IIT(BHU)
- Joint Secretary of Aero-Modelling Club, IIT(BHU) Gymkhana, Varanasi 2016-2017
- Coordinator, Dronetech (Multi-rotor event), Ascension, Technex-2017, IIT(BHU)
- Coordinator, Prof. Veerbhadra Mishra Memorial Airshow, Technex-2017, IIT(BHU)
- Coordinator, Publicity Team, Prastuti-2016, Electrical Engineering Dept., IIT(BHU)
- CSR Activities: Tree Plantation, Career motivation, Science Projects, Computer lab setup



Note: This report is not valid for transmission of scores to an institution.

Yash Shyamsunder Khandelwal

Most Recent Test Date: November 6, 2020

Address: Flat No. 3, Manas Apts, Shirke Mala, B/H HPT College,, Nashik, Maharashtra, 422005 India

Registration Number: 8206255 Print Date: December 5, 2020

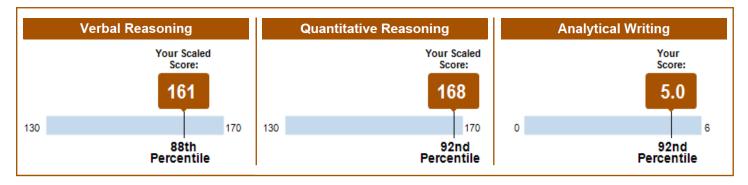
Email: hsayyash88@gmail.com Phone: 91-8874345322 Date of Birth: March 6, 1997

Social Security Number (Last Four Digits):

Gender: Male

Intended Graduate Major: Computer Science (0402)

Your Scores for the General Test Taken on November 6, 2020



Your Test Score History

General Test Scores

	Verbal R	easoning	Quantitative	Reasoning	Analytica	l Writing
Test Date	Scaled Score	Percentile	Scaled Score	Percentile	Score	Percentile
November 6, 2020	161	88	168	92	5.0	92

Subject Test Scores

You do not have reportable test scores at this time.

Your Score Recipient(s)

Undergraduate Institution

Report Date	Institution (Code)	Department (Code)	Test Title	Test Date
Report Date	mstitution (code)	Department (Code)	1691 THE	Test Date

1/3



Note: This report is not valid for transmission of scores to an institution.

Yash Shyamsunder Khandelwal

Most Recent Test Date: November 6, 2020

Registration Number: 8206255 Print Date: December 5, 2020

Designated Score Recipient(s)

Date of Birth: March 6, 1997

Report Date	Score Recipient (Code)	Department (Code)	Test Title	Test Date
November 25, 2020	GEORGIA INSTITUTE TECHNOLOGY (5248)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020
November 25, 2020	PURDUE U GRAD SCH (1631)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020
November 25, 2020	Texas A-M University EngineeringCAS (4119)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020
November 25, 2020	U CA SAN DIEGO (4836)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020
November 25, 2020	U NORTH CAROLINA CHAPEL HILL (5816)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020
November 25, 2020	UNIV MASSACHUSETTS AMHERST (3917)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020
November 25, 2020	UNIV TEXAS AUSTIN (6882)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020
November 18, 2020	U PENNSYLVANIA (2926)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020
November 18, 2020	UC Berkeley (4833)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020
November 18, 2020	UNIV SOUTHERN CALIFORNIA (4852)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020
November 18, 2020	University Illinois Urbana Champaign All Grad Programs (1836)	COMPUTER SCIENCE (0402)	General Test	November 6, 2020

About Your GRE® Score Report

Score Reporting Policies

With the ScoreSelect® option, you can decide which test scores to send to the institutions you designate. There are three options to choose from:

- · Most Recent option Send your scores from your most recent test administration
- All option Send your scores from all administrations in the last five years
- Any option Send your scores from one OR as many test administrations in the last five years (this option is not available on test day when you select up to four FREE score reports)

Scores for a test administration must be reported in their entirety. Institutions will receive score reports that show only the scores that you selected to send to them. There will be no special indication if you have taken additional GRE tests. See the *GRE®* Information Bulletin for details. The policies and procedures explained in the Bulletin for the current testing year supersede previous policies and procedures in previous bulletins.

Scores will be sent to designated score recipients approximately 10-15 days after a computer-delivered test and 5 weeks after a paper-delivered test. If your scores are not available for any reason, you will see "Not Available" in Your Test Score History.

GRE test scores are reportable according to the following policies:

2/3



Note: This report is not valid for transmission of scores to an institution.

Yash Shyamsunder Khandelwal

Date of Birth: March 6, 1997

Most Recent Test Date: November 6, 2020

Registration Number: 8206255 Print Date: December 5, 2020

For tests taken prior to July 1, 2016, scores are reportable for five (5) years following the testing year in which you tested (July 1 –
June 30). For example, scores for a test taken on May 15, 2015, are reportable through June 30, 2020. GRE scores earned prior to
August 2011 are no longer reportable.

• For tests taken on or after July 1, 2016, scores are reportable for five (5) years following your test date. For example, scores for a test taken on July 3, 2016, are reportable through July 2, 2021.

Note: Score recipients will only receive scores from test administrations that you have selected to send to them.

Percentile Rank (% Below)

A percentile rank for a test score indicates the percentage of test takers who took that test and received a lower score. Regardless of when the reported scores were earned, the percentile ranks for General Test and Subject Test scores are based on the scores of all test takers who tested within the most recent three-year period.

Retaking a GRE Test

You can take the *GRE*® General Test *once every 21 days*, up to *five times* within any continuous rolling 12-month period (365 days). This applies even if you canceled your scores on a test taken previously. You can take the paper-delivered GRE General Test and *GRE*® Subject Tests as often as they are offered.

Note: This policy will be enforced even if a violation is not immediately identified (e.g., inconsistent registration information) and test scores have been reported. In such cases, the invalid scores will be canceled and score recipients will be notified of the cancellation. Test fees will be forfeited.

For More Information

For information about interpreting your scores, see Interpreting Your GRE Scores at www.ets.org/gre/understand.

For detailed information about your performance on the Verbal Reasoning and Quantitative Reasoning sections of the computer-delivered GRE General Test, access the free GRE Diagnostic Service from your ETS account. This service includes a description of the types of questions you answered right and wrong, the difficulty level of each question, and the time spent on each question. This service is available approximately 15 days after your test administration and for six months following your test administration.

If you have any questions concerning your score report, email GRE Services at **gre-info@ets.org** or call 1-609-771-7670 or 1-866-473-4373 (toll free for test takers in the U.S., U.S. Territories and Canada) between 8 a.m. and 7:45 p.m. (New York Time).

3/3



Test Taker Score Report

Name: Khandelwal, Yash Shyamsunder

Last (Family/Surname) Name, First (Given) Name Middle Name

Email: hsayyash88@gmail.com

Gender: M

Appointment Number: 5037 5102 0296 9769

Date of Birth: March 06, 1997 Test Date: October 31, 2020

Khandelwal, Yash Shyamsunder Flat No. 3, Manas Apts. Shirke Mala B/H HPT College Campus Nashik, Maharashtra 422005 India



Inst. Code

Dept. Code

Country of Birth: India
Native Language: Hindi

Test Center: STN11902A - K K Wagh Inst of Engineering Education & Research

Test Center Country: India

Security Identification

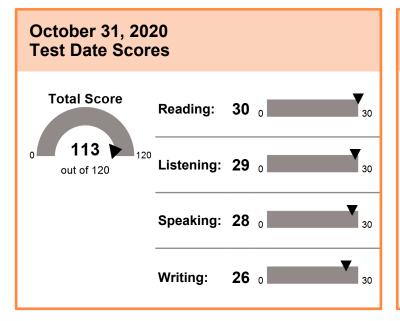
ID Type: PASSPORT

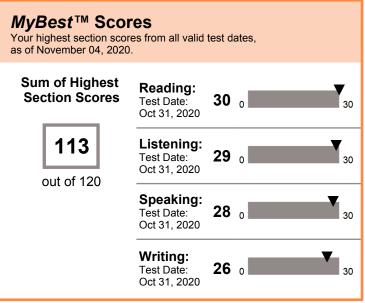
04/05/2021 07:32

ID No.: xxxxxxxxxxxxxxxxxxxxxx2781

Issuing Country: India

THIS IS A PDF SCORE REPORT, DOWNLOADED AND PRINTED BY THE TEST TAKER.





A total score is not reported when one or more sections have not been administered.

Expired scores are not included in *MyBest™* calculations.

39-39





THIS IS A PDF SCORE REPORT, DOWNLOADED AND PRINTED BY THE TEST TAKER.

Khandelwal, Yash Shyamsunder

Date of Birth: March 06, 1997

SCORE RANGES

Total Score	0–120
Reading	0-30
Advanced	24–30
High - Intermediate	18–23
Low - Intermediate	4–17
Below Low - Intermediate	0–3
Listening	0–30
Advanced	22–30
High - Intermediate	17–21
Low - Intermediate	9–16
Below Low - Intermediate	0–8
Speaking	0-30
Advanced	25–30
High - Intermediate	20–24
Low - Intermediate	16–19
Basic	10–15
Below Basic	0–9
Writing	0-30
Advanced	24–30
High - Intermediate	17–23
Low - Intermediate	13–16
Basic	7–12

Test Date: October 31, 2020

Appointment Number: 5037 5102 0296 9769

INSTITUTION CODES

The Institutions and Department code numbers shown on the front page are the ones you selected before you took the test.

Dept.	Where the Report Was Sent
00	Admissions office for undergraduate study
01, 04-41, 43-98	Admissions office for graduate study in a field other than management (business) or law according to the codes selected when you registered
02	Admissions office of a graduate school of management (business)
03	Admissions office of a graduate school of law
42	Admissions office of a school of medicine or nursing or licensing agency
99	Institution or agency that is not a college or university

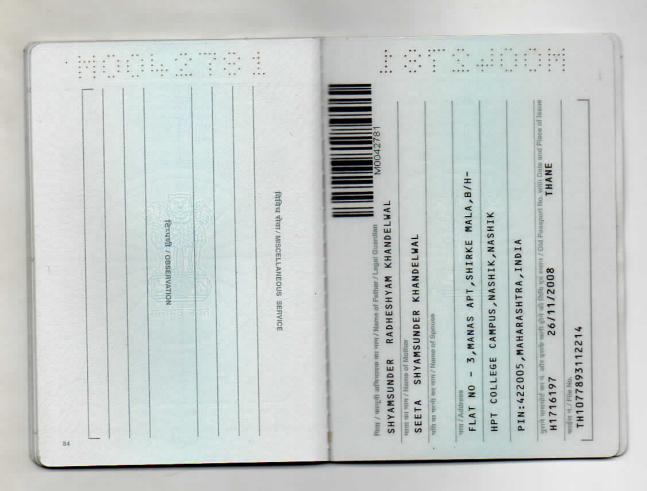
For additional information about TOEFL iBT scores, score ranges, and how to improve your skills, visit www.ets.org/toefl/ibt/scores.

IMPORTANT NOTE TO SCORE USERS: This is a PDF score report, downloaded and printed by the test taker. Therefore, ETS cannot guarantee that it has not been altered. To verify the scores on this report, please contact the TOEFL Score Verification Service at+1-800-257-9547 or +1-609-771-7100. Scores more than two years old cannot be reported or validated.











On Campus Computer Science Supplemental

Form Title On Campus Computer Science Supplemental

Research Specialization

Indicate your first choice of specialization for your graduate study and research.

Machine Learning

Awards and Recognitions

Award Received YES Honda Award

Award Received2 Honorable Mention, Gymkhana, IIT(BHU)

Award Received3 First Runner Up, Multirotor Event, Techkriti, IIT-Kanpur

Publications

Title Reduced voltage stress hybrid multilevel inverter using optimised

predictive control

Journal IET Power Electronics

URL (if available) https://digital-library.theiet.org/content/journals/10.1049/iet-

pel.2019.1314

Objectives

Briefly describe your eventual (e.g., University Professor, Industry Researcher, etc.).career objective

Software Developer in R&D

Please describe your (academic and extracurricular) and experience, including research, teaching, industry, and other relevant information.background

My dad had been itinerant, because of which, by the time I joined university, I had already been through six schools across three countries: Bahrain, Qatar, and India. Even in a changing environment, I stayed amongst the top in my class and received a state scholarship in 7th grade. I secured admission into IIT (BHU), Varanasi, to pursue an Integrated Dual Degree in Electrical Engineering after securing 99.8 percentile in JEE-Advanced.

I was actively involved in student clubs such as programming, aeromodelling, robotics, and dance at the university. I introduced and worked on many projects within these clubs, mentored students, gave demos, led contingents for events, and held responsibility positions. I also have teaching experience as a TA for two academic courses in which I held problem-solving lectures and handled practical lab session efforts.

My projects were always multidisciplinary, borrowing heavy inputs from computer science, electronics, and mechanics. My degree projects also reflect my explorative passion. The ingenious use of a CS algorithm within my power electronics project helped me publish a research paper in the reputed IET Journal. I also got international research exposure during my pre-baccalaureate internship at Kyushu University in Japan. This internship was fully-funded through a scholarship awarded from the Y.E.S. Honda Program.

During my tenure at Apple, I got the opportunity to work on a vast breadth of technologies. I worked on Java development frameworks such as Spring, Hibernate, and Guice. Naturally, I am adept at object-

On Campus Computer Science Supplemental

oriented programming, data structures, operating systems, and algorithms. I also have exposure working with DevOps tools such as Docker, Team-City, and the use of CI-CD. As part of my job, I frequently interact with colleagues from other teams and countries to deliver projects through a cross-team effort. I have also gained experience working in scrum teams and making optimum use of industrial productivity tools.