

PORT FOLIO

21CSC203P –ADVANCED PROGRAMMING PRACTICE

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DEPARTMENT OF COMPUTING TECHNOLOGIES



FACULTY OF ENGINEERING AND TECHNOLOGY

SCHOOL OF COMPUTING

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

KATTANKULATHUR

OCTOBER 2025

MARK RUBRICS

ABOUT ME(1)	
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GITHUB LINK-2.5 EACH (5)	
CERTIFICATE AND ACHIEVEMENT (3)	
E-CURRICULA (10)	
HACKER RANK(5)	

Advance Programming Practice Student Portfolio

ABOUT ME

I'm Yash Gupta, a 2nd-year Computer Science and Engineering student specializing in Software Engineering at SRM University. I'm passionate about Java development, software engineering, and problem-solving. I enjoy exploring emerging technologies and applying them to create efficient, real-world applications.

My goal is to become a skilled software engineer with strong expertise in Java and software development practices, contributing to innovative projects that make a meaningful impact. I'm committed to continuous learning, improving my technical skills, and growing as a developer.

PROJECTS

Project: Web Translator Application

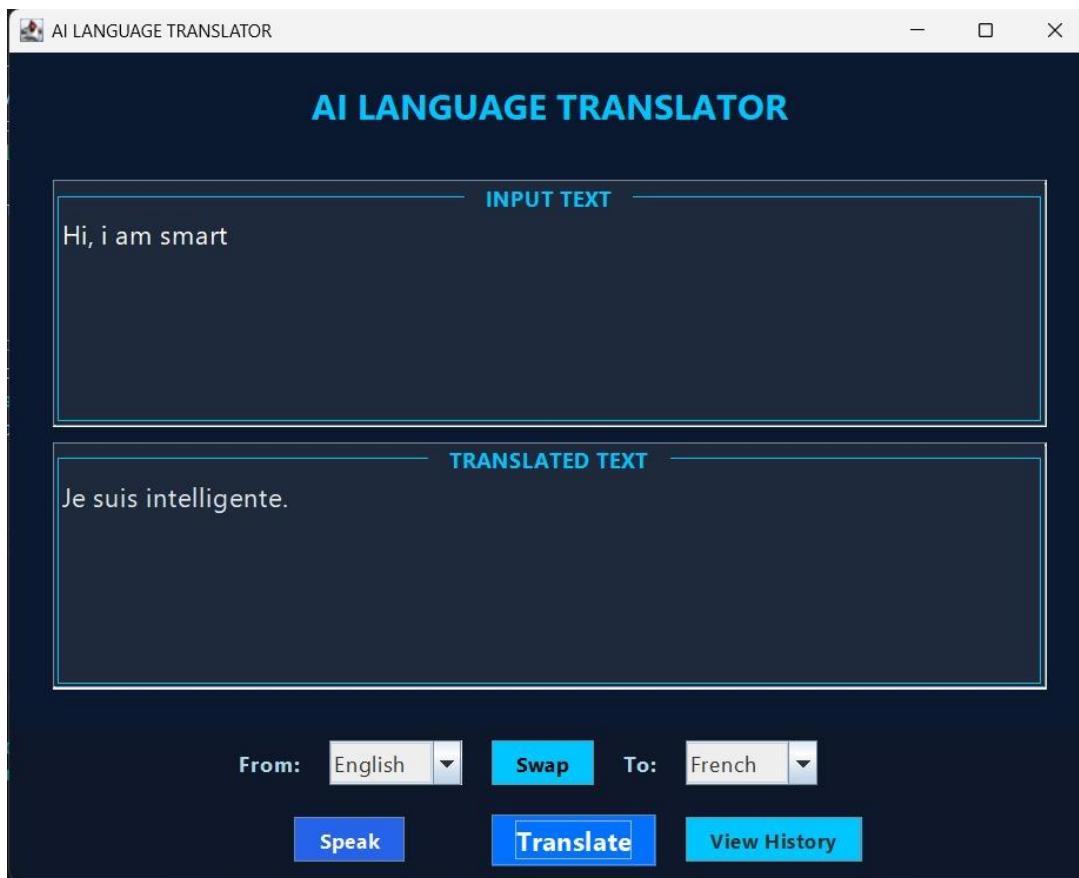
The Web Translator Application is a Java desktop program that combines speech recognition, API integration, and database management to enable instant multilingual translation.

It supports both voice and text inputs, processes them through CMU Sphinx for speech-to-text conversion, and uses the MyMemory Translation API for real-time translation.

A MySQL database integrated via JDBC stores user translation history, while the Java Swing GUI provides an intuitive and interactive interface.

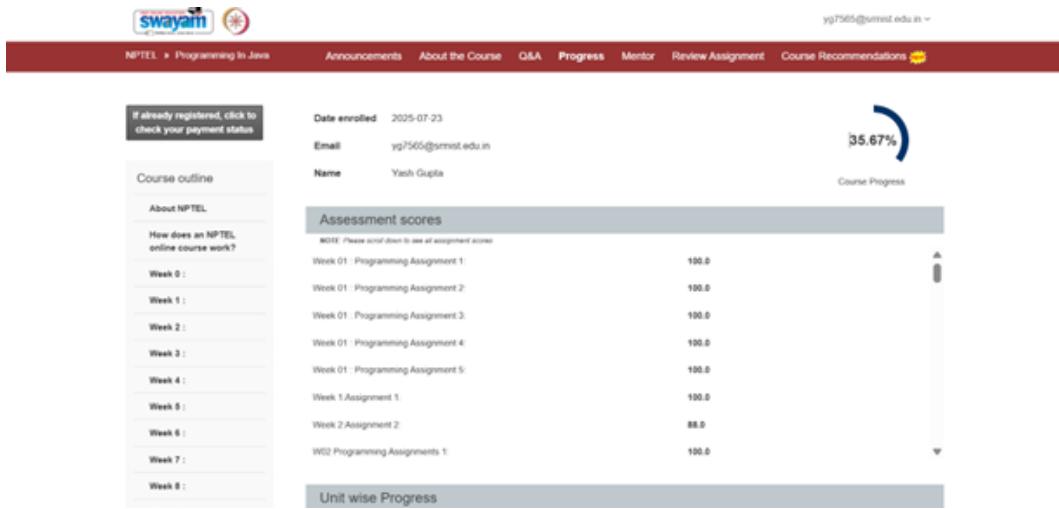
Core Achievements:

- Implemented seamless integration between voice input, translation, and data storage modules.
- Ensured efficient data retrieval and error handling for improved user experience.



CERTIFICATES & ACHIEVEMENTS

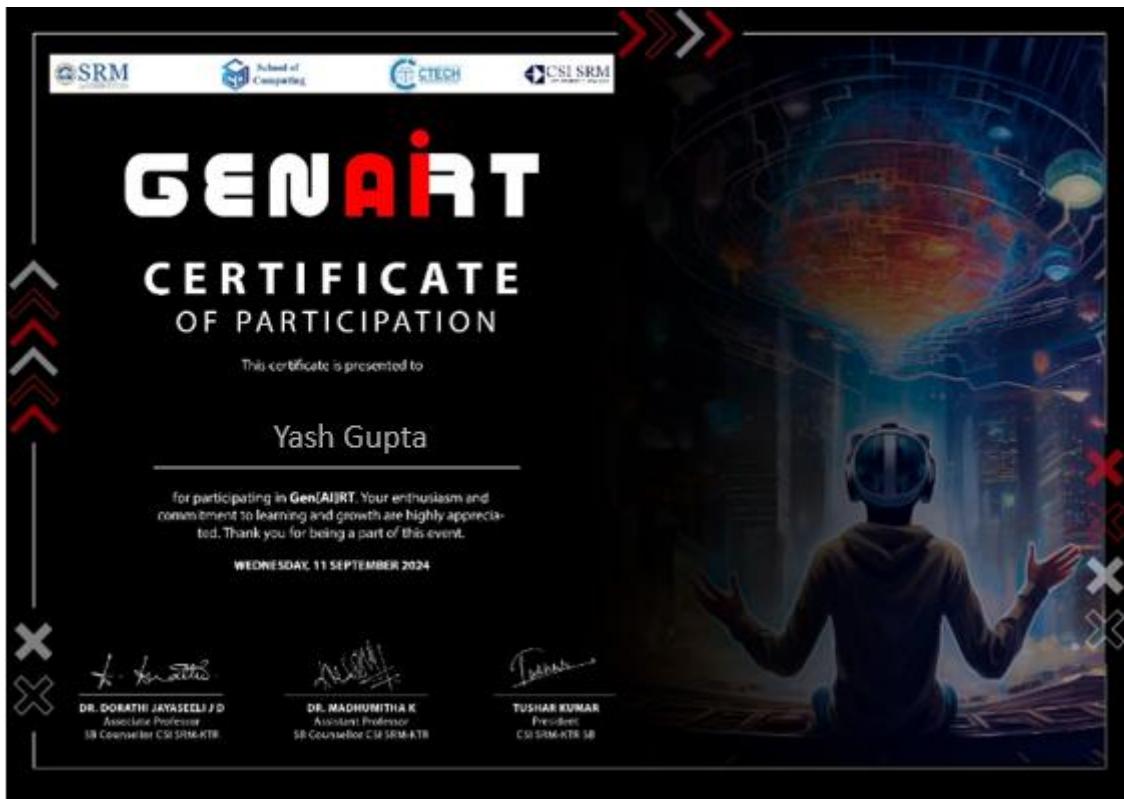
NPTEL



A screenshot of the NPTEL course progress page for "Programming In Java". The page shows basic user information (Date enrolled: 2025-07-23, Email: yg7565@srmsit.edu.in) and a progress bar indicating 35.67% completion. The course outline on the left lists weeks 0 through 8, and the assessment scores section shows various assignment and assignment 2 scores.

Assignment	Score
Week 01 - Programming Assignment 1	100.0
Week 01 - Programming Assignment 2	100.0
Week 01 - Programming Assignment 3	100.0
Week 01 - Programming Assignment 4	100.0
Week 01 - Programming Assignment 5	100.0
Week 1 Assignment 1	100.0
Week 2 Assignment 2	88.0
Wk2 Programming Assignments 1	100.0

•Participation in Hackathons / Coding Competitions





CERTIFICATE OF PARTICIPATION

This is to certify that

Yash Gupta

Has actively attended the t3 Tezos Guild 2024 : Chennai
organized by THE PRODUCT HOUSE X SRMIST on 5th October 2024

V.A.S
NWC H.O.D
DR.ANNAPURANI.K



CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms.

YASH GUPTA

has participated at HACK SUMMIT,
organised by Team Aaruush, SRMIST, Kattankulthur

V. Karthik
Dr. Varshini Karthik
Chairman and Convenor, AARUUSH
Prof. of Biomedical Engineering

CERTIFICATE

OF PARTICIPATION GENESIS MINI - HACK 2025

Awarded to

Yash Gupta

Has actively attended the Hackathon Genesis Mini Hack hosted by THE PRODUCT HOUSE X SRMIST on 2nd April 2025.

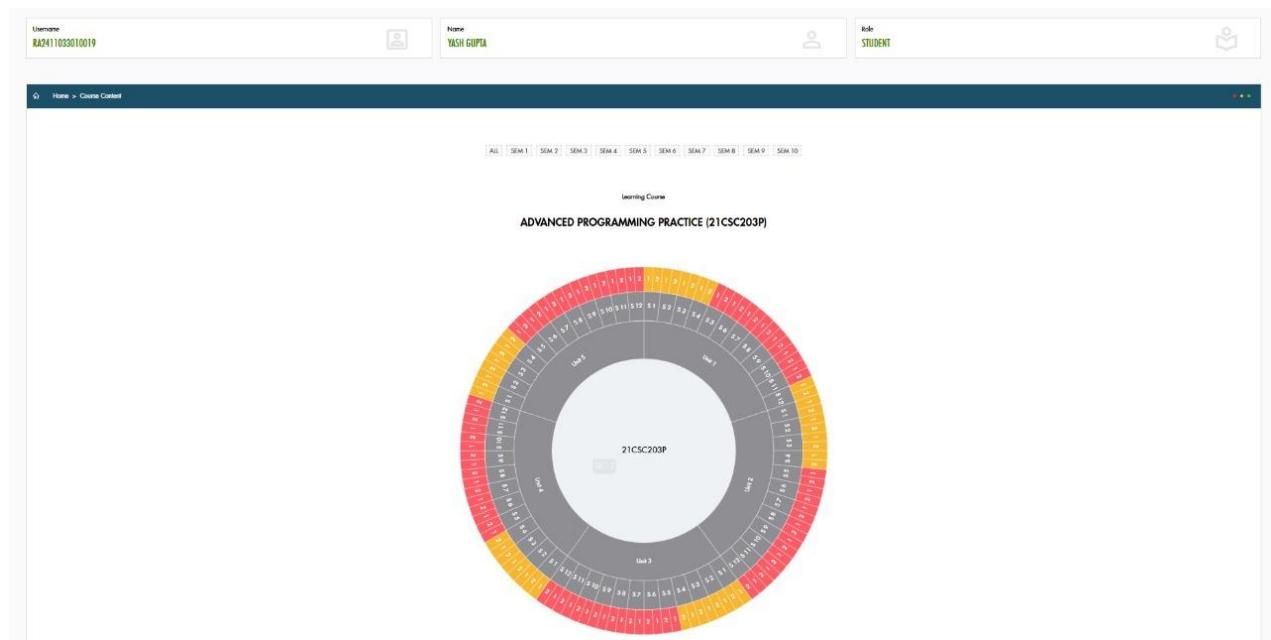
April 2, 2025



Dr.M.Lakshmi
NWC HOD



E-CURRICULA COMPLETION –



HACKER RANK PROBLEM COMPLETION:

HACKER RANK PROFILE LINK

<https://www.hackerrank.com/profile/yg7565>

UPDATE

The screenshot shows the HackerRank profile page for user yg7565. At the top, there's a navigation bar with 'Prepare', 'Certify', and 'Compete' tabs. A search bar and a profile icon are also present. The main area features a large circular progress bar indicating 80% completion. To the left, a box displays personal information: name (Yash Gupta), handle (@yg7565), and a small Indian flag icon. Below this is a 'Personal Information' section with email (yg7565@srmist.edu.in), phone number (+91-7895864944), and location (India). To the right, a 'My Badges' section shows three hexagonal badges for Java, Python, and SQL, each with a five-star rating.

JAVA

Progress

The screenshot shows the 'Java' challenges section under the 'Prepare' tab. It displays three challenges: 'Welcome to Java!', 'Java Stdin and Stdout I', and 'Java If-Else'. Each challenge card includes a difficulty level (Easy), problem type (Java (Basic)), max score, success rate, and a 'Solved' status indicator with a checkmark. On the right side, there are sections for 'STATUS' (with 'Solved' checked and 'Unsolved' available), 'SKILLS' (listing 'Java (Basic)', 'Java (Intermediate)', and 'Problem Solving (Intermediate)'), and 'DIFFICULTY' (with a dropdown menu showing 'Easy'). The top right corner shows the user's rank (254435), points (251), and a small Java badge.

HackerRank | Prepare Certify Compete

Search | More | Notifications | Profile

Prepare > Java

Java

21/64 challenges solved
Rank: 254435 | Points: 251 ⓘ



Tag Content Extractor
Medium, Java (Basic), Max Score: 20, Success Rate: 95.34%
Solved ⓘ

Java 1D Array (Part 2)
Medium, Java (Basic), Max Score: 25, Success Rate: 74.64%
Solved ⓘ

Java Stack
Medium, Java (Basic), Max Score: 20, Success Rate: 92.75%
Solved ⓘ

STATUS
 Solved
 Unsolved

SKILLS
 Java (Basic)
 Java (Intermediate)
 Problem Solving (Intermediate)

DIFFICULTY

PYTHON

HackerRank | Prepare Certify Compete

Search | More | Notifications | Profile

Prepare > Python

Python

175 more points to get your gold badge!
Rank: 592432 | Points: 225/400 ⓘ



Say "Hello, World!" With Python
Easy, Max Score: 5, Success Rate: 96.15%
Solved ⓘ

Python If-Else
Easy, Python (Basic), Max Score: 10, Success Rate: 89.71%
Solved ⓘ

Arithmetic Operators
Easy, Python (Basic), Max Score: 10, Success Rate: 97.28%
Solved ⓘ

STATUS
 Solved
 Unsolved

SKILLS
 Problem Solving (Basic)
 Python (Basic)
 Problem Solving (Advanced)
 Python (Intermediate)

HackerRank | Prepare Certify Compete

Search | More | Notifications | Profile

Prepare > Python

Python

175 more points to get your gold badge!
Rank: 592432 | Points: 225/400 ⓘ



Write a function
Medium, Python (Basic), Max Score: 10, Success Rate: 90.40%
Solved ⓘ

The Minion Game
Medium, Python (Basic), Max Score: 40, Success Rate: 87.42%
Solved ⓘ

STATUS
 Solved
 Unsolved

SKILLS
 Problem Solving (Basic)
 Python (Basic)
 Problem Solving (Advanced)
 Python (Intermediate)

HackerRank | Prepare Certify Compete

Search | Notifications | Profile

Prepare > Python

Python

175 more points to get your gold badge!

Rank: 592432 | Points: 225/400



Maximize It!
Hard, Problem Solving (Basic), Max Score: 50, Success Rate: 83.24%
 Solved

Validating Postal Codes
Hard, Max Score: 80, Success Rate: 87.48%
 Solved

STATUS
 Solved
 Unsolved

SKILLS
 Problem Solving (Basic)
 Python (Basic)
 Problem Solving (Advanced)
 Python (Intermediate)

SQL

HackerRank | Prepare Certify Compete

Search | Notifications | Profile

Prepare > Sql

Sql

45/58 challenges solved

Rank: 237917 | Points: 660



Revising the Select Query I
Easy, SQL (Basic), Max Score: 10, Success Rate: 95.99%
 Solved

Revising the Select Query II
Easy, SQL (Basic), Max Score: 10, Success Rate: 98.74%
 Solved

Select All
Easy, SQL (Basic), Max Score: 10, Success Rate: 99.54%
 Solved

STATUS
 Solved
 Unsolved

SKILLS
 SQL (Basic)
 SQL (Intermediate)
 SQL (Advanced)

DIFFICULTY

HackerRank | Prepare Certify Compete

Search | Notifications | Profile

Prepare > Sql

Sql

45/58 challenges solved

Rank: 237917 | Points: 660



The PADS
Medium, SQL (Basic), Max Score: 30, Success Rate: 93.70%
 Solved

Occupations
Medium, Max Score: 30, Success Rate: 91.52%
 Solved

Binary Tree Nodes
Medium, SQL (Intermediate), Max Score: 30, Success Rate: 97.70%
 Solved

STATUS
 Solved
 Unsolved

SKILLS
 SQL (Basic)
 SQL (Intermediate)
 SQL (Advanced)

DIFFICULTY

FINAL RANKINGS

JAVA



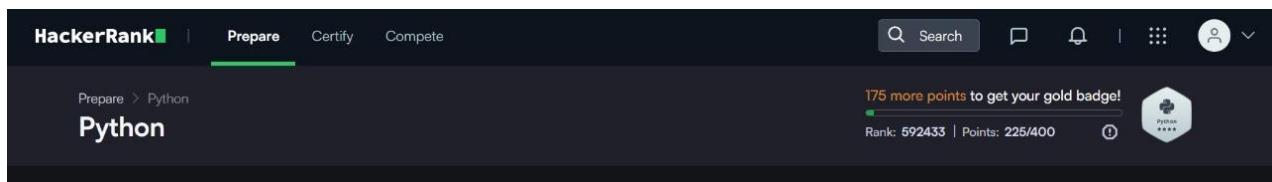
Java

21/64 challenges solved

Rank: 254437 | Points: 251

java

PYTHON



Python

175 more points to get your gold badge!

Rank: 592433 | Points: 225/400

python

SQL



Sql

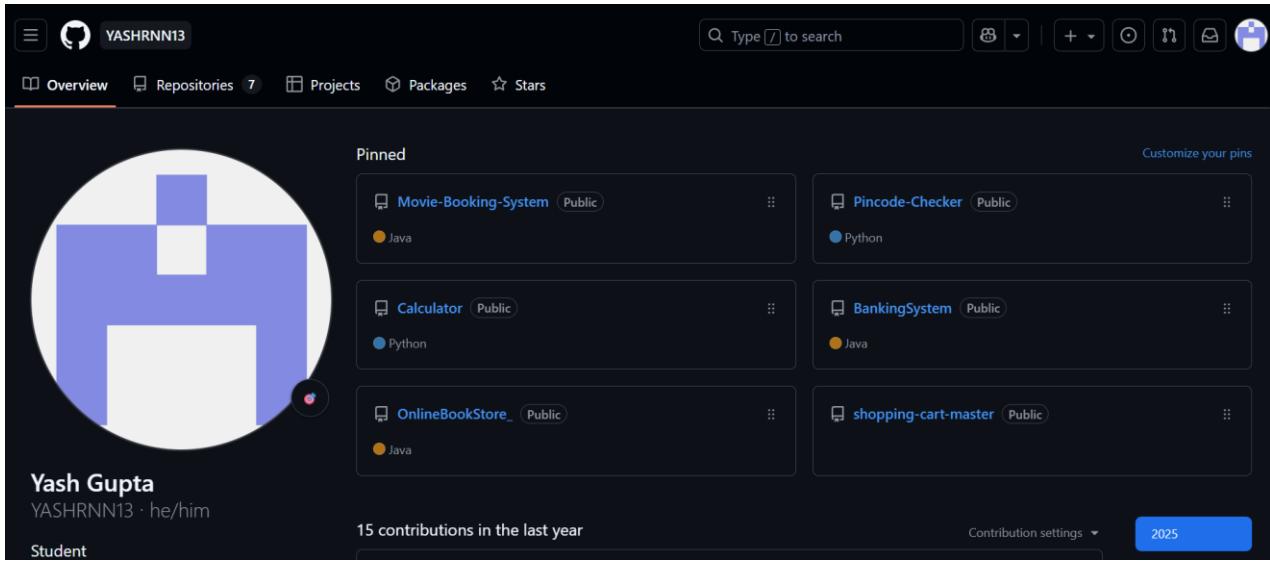
45/58 challenges solved

Rank: 237917 | Points: 660

sql

GitHub

<https://github.com/YASHRNN13>



GitHub project1:

<https://github.com/YASHRNN13/Movie-Booking-System>

GitHub project2

<https://github.com/YASHRNN13/Pincode-Checker>

GitHub project3

<https://github.com/YASHRNN13/Calculator>

GitHub project4

<https://github.com/YASHRNN13/BankingSystem>

GitHub project5

<https://github.com/YASHRNN13/OnlineBookStore>

