

*A project report on*

## **“Internship At KPIT”**

*Submitted in partial fulfillment for the award of the degree of*

# **Bachelor of Technology in Computer Science and Engineering**

*by*

**Akash Raj Behera (20BCE1829)**



**VIT<sup>®</sup>**  

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**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**June, 2024**



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### DECLARATION

I here by declare that the thesis entitled “Internship At KPIT” submitted by me, for the award of the degree of Specify the name of the degree VIT is a record of bonafide work carried out by me under the supervision of Aayushi Mishra.

I further declare that the work reported in this thesis has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

Place: Pune

*Akash Raj Behera*

Date: 25/06/24

**Akash Raj Behera**

# Internship Completion Certificate

FW: Scores and Ongoing Certificate Confirmation | KPIT Internship | VIT Batch 2024

Aayushi Mishra <Aayushi.Mishra@kpit.com>  
to Arya

Thu, Jun 6, 11:13 AM

Hello Students,

For your internship certificate and scores, please use the attached email. We have already shared this with your college.

P.S.-The scores attached here are your performances across all the tests that has been completed in NOVA training and assessments.

From: Aayushi Mishra  
Sent: Tuesday, June 4, 2024 4:18 PM  
To: VIT Placement <placement@vit.ac.in>; manikandan.n@vit.ac.in  
Cc: Arya Komal <Arya.Komal@kpit.com>  
Subject: Scores and Ongoing Certificate Confirmation | KPIT Internship | VIT Batch 2024

Dear Sir,  
Greetings!

This is to inform you that the attached list of the students is currently doing internship with KPIT. A few students reached out to us for getting an internship certificate which currently is not possible as we are onboarding them in batches and there are still a few students left to get onboarded for the Paid Internship! We confirm that these students are hired for the KPIT Internship/Genesis training. Also, the internship certificate will be issued directly to the students post their completion of genesis training and the timeline is around 45-60 days post their training completion. The score on their performance is also attached in the following sheet.

Kindly use this email as a confirmation document for any further inquiries related to their Internship.

Thanks & Regards,

Aayushi Mishra

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VIT KPIT Internship students 2024 batch v1.1.xlsx					
	A	B	C	D	E
1	Superset ID	College name	Candidate Name	Registered Email ID	Status
2	4491954	VIT	Aaditya Sreenivasan	aaditya.sreenivasan2020@vitbhopal.ac.in	Inactive in Pre Onboarding
3	4492483	VIT	Aavesh Nasim Khan	aaveshnasim.khan2020@vitstudent.ac.in	Onboarded in Q1
4	4492630	VIT	Abhinav Kumar	abhinav.kumar2020@vitbhopal.ac.in	Onboarded in Q1
5	4492027	VIT	Abhishek Kumar	abhishek.kumar2020@vitbhopal.ac.in	Yet to Onboard
6	4489248	VIT	Abilash P	abi2512003@gmail.com	Onboarded in Q1
7	4495836	VIT	Adesh Rajesh Shinde	adesh.rajesh2020@vitbhopal.ac.in	Onboarded in Q1
8	4489468	VIT	Aditya Srivastava	aditya.srivastava2509@gmail.com	Onboarded in Q1
9	4491670	VIT	Akash Raj Behera	akashraj.behera2020@vitstudent.ac.in	Onboarded in Q1
10	4492019	VIT	Akash Singh	akashsingh.2020@vitbhopal.ac.in	Yet to Onboard
11	4498469	VIT	Aman Kumar	aman.kumar.2020@vitbhopal.ac.in	Onboarded in Q1
12	4492403	VIT	Aman Raj	amanrajvitvellore@gmail.com	Onboarded in Q1

## ABSTRACT

This report provides a comprehensive overview of an enriching internship experience at KPIT, a leading firm in the industry. The cornerstone of this internship was the Genesis training program, a meticulously designed curriculum that covered a broad spectrum of technologies and concepts. The training program included **Java-Spring Boot, Data Modelling, Angular, C++ basics, Amazon Web Services (AWS), Personal Skill Development (PSD), Scrum - Agile and Git**, providing a holistic understanding of the current technological landscape.

In addition to software technologies, the Genesis training program ventured into the automotive domain, introducing basic concepts that broadened the scope of learning. This unique blend of software technologies and domain-specific knowledge equipped the intern with a robust skill set, paving the way for a successful stint at KPIT. The report further delves into the practical applications and hands-on experience gained during the internship.

### Keywords:

1. Genesis Training Program
2. Software Technologies
3. Automotive Domain
4. Hands-on Experience
5. KPIT

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My sincere thanks to all the faculties and staffs at Vellore Institute of Technology, Chennai who helped me acquire the requisite knowledge. I would like to thank my parents for their support. It is indeed a pleasure to thank my friends who encouraged me to take up and complete this task.

Place: Chennai

Date: 25/06/24



**Akash Raj Behera**

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## **LIST OF ACRONYMS**

**AWS:** Amazon Web Services

**PSD:** Personal Skill Development

**DDL:** Data Definition Language

**DML:** Data Manipulation Language

**JPA:** Java Persistence API

**JDBC:** Java Database Connectivity

**ECS:** Elastic Container Service

**VPC:** Virtual Private Cloud

**S3:** Simple Storage Service

**SQS:** Simple Queue Service

**SNS:** Simple Notification Service

**RDS:** Relational Database Service

**CLI:** Command Line Interface

**SDK:** Software Development Kit

## CHAPTER 1

### Introduction

The world of technology is vast and ever evolving. This report is a testament to such a journey of practical exposure and learning. It chronicles an enriching internship experience at **KPIT**, a leading firm in the industry, known for its commitment to technological advancement and innovation.

The cornerstone of this internship was the **Genesis training program**, a meticulously designed curriculum that covered a broad spectrum of technologies and concepts. The program was not just about learning; it was about applying the learned concepts to solve real-world problems and understanding the nuances of the technological landscape.

The training program was comprehensive, including a wide array of technologies such as **Java-Spring Boot, Data Modelling, Angular, C++ basics, Amazon Web Services (AWS), Personal Skill Development (PSD), Scrum - Agile and Git**. These technologies are the backbone of the modern software industry.

- **Java-Spring Boot** is a popular framework for building enterprise-grade applications, known for its simplicity and productivity.
- **Data Modelling** is the standard language for managing and manipulating databases, crucial for any data-driven application.
- **Angular** is a powerful front-end framework for building complex web applications.
- **C++** is a general-purpose programming language with high-level and low-level capabilities.
- **Amazon Web Services (AWS)** is a comprehensive cloud platform, offering over 200 fully featured services from data centers globally.

- **Personal Skill Development (PSD), Scrum - Agile, and Git** are essential for effective team collaboration and project management.

In addition to software technologies, the Genesis training program ventured into the **automotive domain**, introducing basic concepts that broadened the scope of learning. This unique blend of software technologies and domain-specific knowledge was instrumental in providing a well-rounded experience. It equipped the intern with a robust skill set, paving the way for a successful stint at KPIT.

The internship was not just about learning new technologies; it was about understanding their practical applications. It was about getting hands-on experience and learning how to apply theoretical knowledge in real-world scenarios. The report further delves into these practical applications and the hands-on experience gained during the internship. This introduction sets the stage for the detailed exploration of the internship experience that follows in the subsequent sections of the report.

## CHAPTER 2

### Training Modules

The second chapter of the internship report delves into the various training modules that were part of the internship program. Each module was meticulously designed to provide a comprehensive understanding of different technologies, methodologies, and industry-specific topics. Here's a detailed overview of each module:

#### 2.1 Technical Training Modules

1. **Java - Spring Boot:** This module provided an in-depth understanding of core Java concepts. It covered data types, Java Persistence API (JPA), Java Database Connectivity (JDBC), exception handling, and collections. The module also introduced Spring Boot, a framework that simplifies the setup of standalone Spring applications, making it easier to create production-grade applications that you can “just run”.
2. **Data Modelling:** This module was all about Structured Query Language (DATA MODELLING). It covered all the Data Definition Language (DDL) and Data Manipulation Language (DML) commands, joins, keys, functions, views, stored procedures, and data types. The module provided a solid foundation in managing and operating databases.
3. **Angular:** This module introduced Angular's architecture and main building blocks, including modules, components, and services. It also covered TypeScript, component binding using input/output and child-parent methods, reactive and template-driven forms, and HTTP. This module provided the skills needed to build robust, user-friendly web applications.
4. **AWS (Amazon Web Services):** This module provided an overview of various AWS services such as Elastic Container Service (ECS), Virtual Private Cloud (VPC), Simple Storage Service (S3), Simple Queue Service (SQS), Simple Notification Service (SNS), Relational Database Service (RDS), and different types of clouds. It also covered the use of

5. **AWS Command Line Interface (CLI), AWS Management Console, and AWS Software Development Kit (SDK).**
6. **C++ Basics:** This module covered fundamental C++ concepts including data types, loops, decision-making statements, and object-oriented programming (OOP) concepts such as pointers, encapsulation, inheritance, constructors, access identifiers, enumerations, functions of all types, abstraction, polymorphism, predefined functions, static data members, and containers.

## 2.1 Non-Technical Training Modules

1. **Personal Skill Development (PSD):** This module focused on the development of personal skills. It included various modules aimed at enhancing interpersonal skills, communication skills, and other soft skills that are crucial in a professional setting.
2. **Scrum - Agile Methodology:** This was a course from Udemy that provided a comprehensive understanding of the Scrum - Agile methodology. It covered the principles, roles, events, and artifacts of Scrum - Agile, providing the knowledge needed to work effectively in a Scrum - Agile team.
3. **Git:** This module covered all the Git commands, providing a solid foundation in version control systems. It enabled efficient collaboration and code management in a team setting.
4. **Automotive Domain Topics:** This module provided knowledge about various topics in the automotive domain, including powertrain, chassis, and car types. It provided industry-specific knowledge that is crucial in the automotive software development field.

Each of these modules played a significant role in shaping the technical and personal skills during the internship, providing a well-rounded experience. The knowledge and skills gained from these modules are invaluable in navigating the professional world.

## Chapter 3

### Training Activities

This chapter focuses on the various training activities that were part of the internship program. These activities were designed to test the understanding and application of the concepts learned in the training modules. Here are some detailed sample questions that were given for each module:

#### 1. Java - Spring Boot:

- Write a function for launching a rocket. The function should include both runtime and compile-time exceptions. How would you handle these exceptions?
- Implement a simple banking system using JPA, JDBC, and Spring Boot. The system should be able to handle basic operations like deposit, withdrawal, and balance check. How would you design the database schema and the Java classes for this system?

#### 2. Data Modelling:

- Write **Data Modelling** queries to create a table Employees with fields ID, Name, Position, Salary, and Department. Add constraints to the ID field to make it the primary key and not null. How would you design the schema to ensure data integrity and efficiency?
- Write a stored procedure to calculate the average salary for each department in the Employees table. How would you handle possible null values?

### 3. **Angular:**

- Create an Angular component EmployeeComponent. This component should display an employee's details and should have input and output bindings. How would you ensure data consistency between parent and child components?
- Implement a service EmployeeService that fetches employee data from a server using HTTP. Use this service in EmployeeComponent to display employee data. How would you handle possible errors during data retrieval?

### 4. **AWS (Amazon Web Services):**

- Explain the process of setting up an Amazon S3 bucket and uploading a file to it using AWS SDK. How would you ensure the security of the data stored in the bucket?
- Describe the steps to launch an Amazon RDS instance and connect it to an application. How would you configure the security groups for this instance?

### 5. **C++ Basics:**

- Write a C++ program that uses different data types (int, float, char, etc.) and loops (for, while, do-while). The program should take an integer input from the user and print the multiplication table of that number using a loop. How would you validate the input to ensure it's an integer?
- Implement a class Rectangle in C++ with private data members for length and width. The class should have public member functions for setting the dimensions, computing the area, and computing the perimeter. How would you ensure that the length and width are always positive?
- Write a C++ program that demonstrates the use of functions. The program should have a function isPrime that takes an integer as input and returns a boolean indicating



- whether the number is prime or not. How would you design this function to ensure it's efficient for large inputs?

## Chapter 4

# Skills Acquired

### 4.1 Technical Skills Acquired

During my internship, I had the chance to acquire and hone a variety of skills across multiple technologies and domains. These skills have significantly contributed to my professional development and have equipped me with the knowledge and experience to tackle a wide range of software development tasks. Here's a detailed account of the skills I acquired:

**4.1.1. Java - Spring Boot:** I gained a solid understanding of core Java concepts and the Spring Boot framework. This knowledge has empowered me to develop robust, scalable backend services. A testament to my proficiency in Java is the banking system I implemented using JPA, JDBC, and Spring Boot, which demonstrated my ability to create complex applications.

**4.1. 2. Data Modelling:** I learned all the DDL and DML commands, joins, keys, functions, views, stored procedures, and data types. This skill is crucial for managing and operating databases, which is a key aspect of software development. My proficiency in Data Modelling was demonstrated when I created an `Employees` table with various constraints and a stored procedure to calculate average salaries.

**4.1. 3. Angular:** I learned about Angular's architecture, including modules, components, and services. I also gained experience with TypeScript and HTTP. These skills enable me to create dynamic, user-friendly web applications.

4.1. 4. **AWS (Amazon Web Services)**: I learned about various AWS services and how to use the AWS CLI, console, and SDK. This knowledge is essential for developing and managing cloud-based applications. My proficiency in AWS was demonstrated when I set up an Amazon S3 bucket and launched an Amazon RDS instance.

4.1. 5. **C++ Basics**: I learned fundamental C++ concepts, including data types, loops, decision-making statements, and object-oriented programming. This knowledge forms the basis for understanding other programming languages and concepts.

These skills not only contribute to my professional development but also make me a versatile software developer. They equip me with the knowledge and experience to tackle a wide range of software development tasks.

## **4.2 Non-Technical Skills Acquired**

In addition, the non-technical modules played a crucial role in my overall development during the internship. They provided me with a detailed account of the skills I acquired from these modules

4.2.1. **Personal Skill Development (PSD)**: This module was instrumental in honing my interpersonal skills, communication skills, and other soft skills. It emphasized the importance of effective communication, teamwork, and leadership in a professional setting. Through various activities and tasks, I was able to improve my public speaking skills, learn the art of persuasion, and understand the dynamics of working in a team.

4.2. 2. **Scrum - Agile Methodology**: This course, sourced from Udemy, provided a comprehensive understanding of the Scrum - Agile methodology. It covered the principles, roles, events, and artifacts of Scrum - Agile. This knowledge is invaluable in today's agile work environment, where Scrum - Agile is widely used. The course enabled me to understand and appreciate the benefits of iterative development and effective team collaboration.

4.2. 3. **Git**: This module covered all the Git commands, providing a solid foundation in version control systems. This skill is essential for efficient collaboration and code management in a team

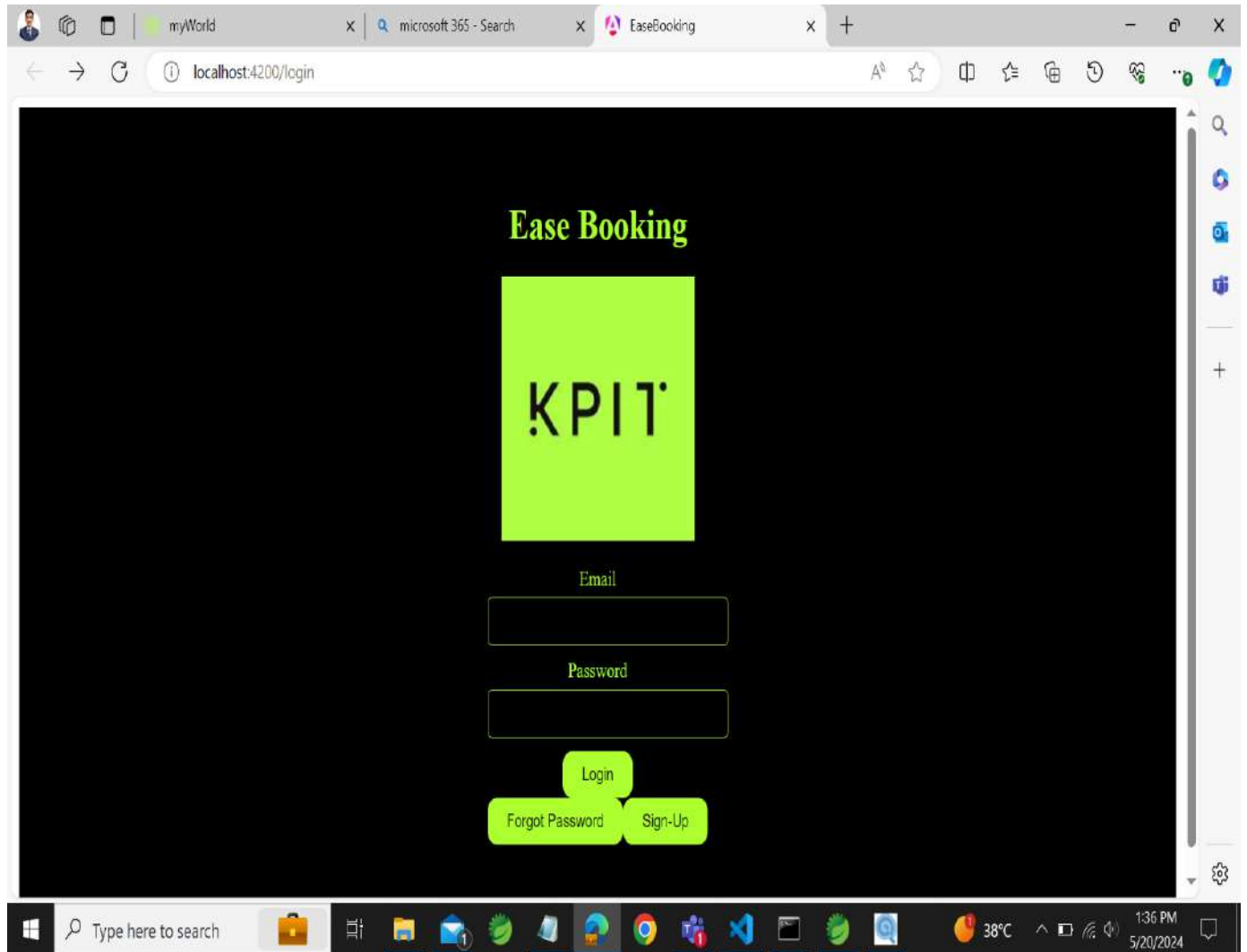
setting. I learned how to track changes, resolve conflicts, and maintain different versions of code, which are critical skills in any software development project.

4.2. 4. **Automotive Domain Topics:** This module provided an overview of various topics in the automotive domain, including powertrain, chassis, and car types. This industry-specific knowledge is crucial in the automotive software development field. Understanding these topics enabled me to appreciate the complexities and challenges in automotive software development.

These non-technical skills, coupled with the technical skills acquired from the other modules, have significantly contributed to my professional development. They have not only made me a competent software developer but also a well-rounded professional. The hands-on experience gained from these modules has been invaluable in my professional journey. Remember, continuous learning and practice are the keys to mastering these skills. Good luck with your future endeavors!

## Chapter 5

### Project (Ease Booking- Online Booking System)



myWorld | microsoft 365 - Search | EaseBooking

localhost:4200/signup

## Sign Up

Email

First Name

Last Name

Date of Birth

mm/dd/yyyy

Contact

Password

Submit

Type here to search

38°C

1:36 PM

5/20/2024

myWorld | microsoft 365 - Search | EaseBooking

localhost:4200/forget

## Reset Password

Email

New Password

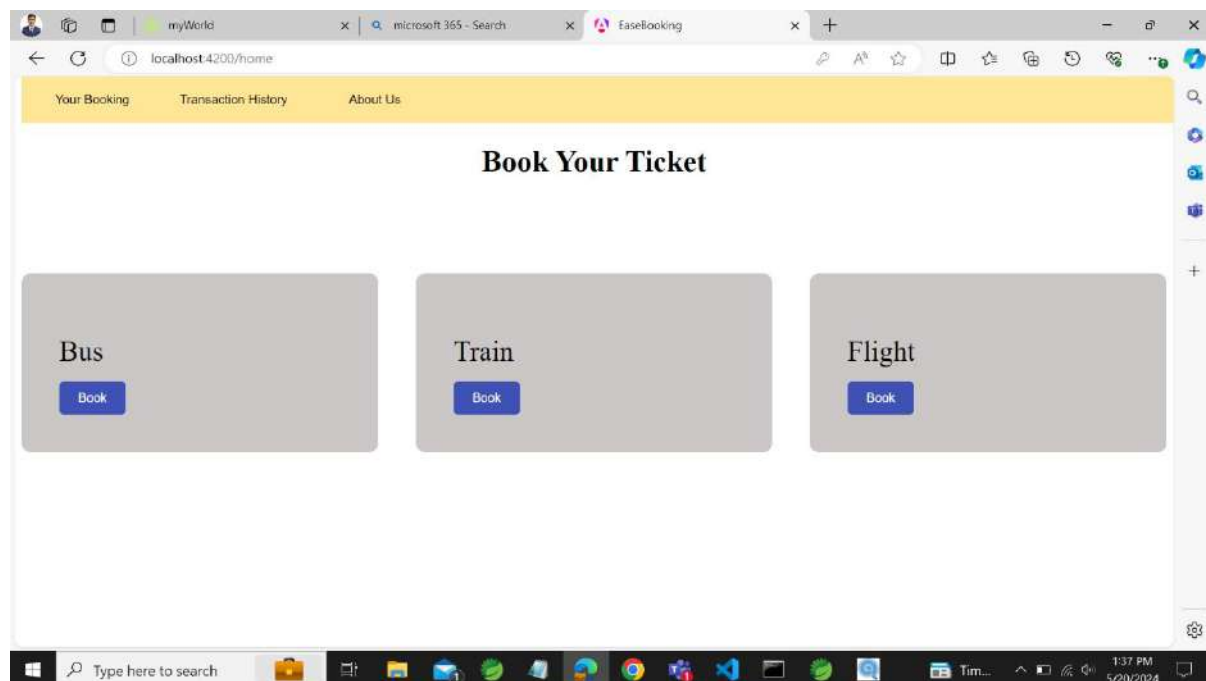
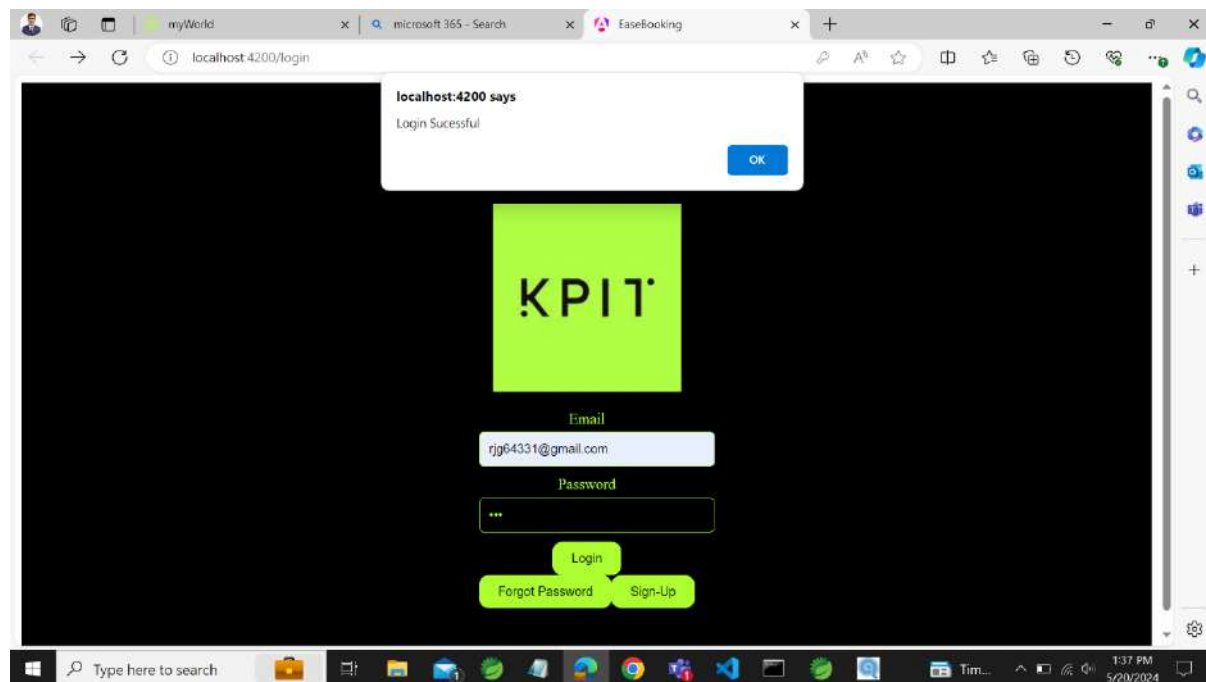
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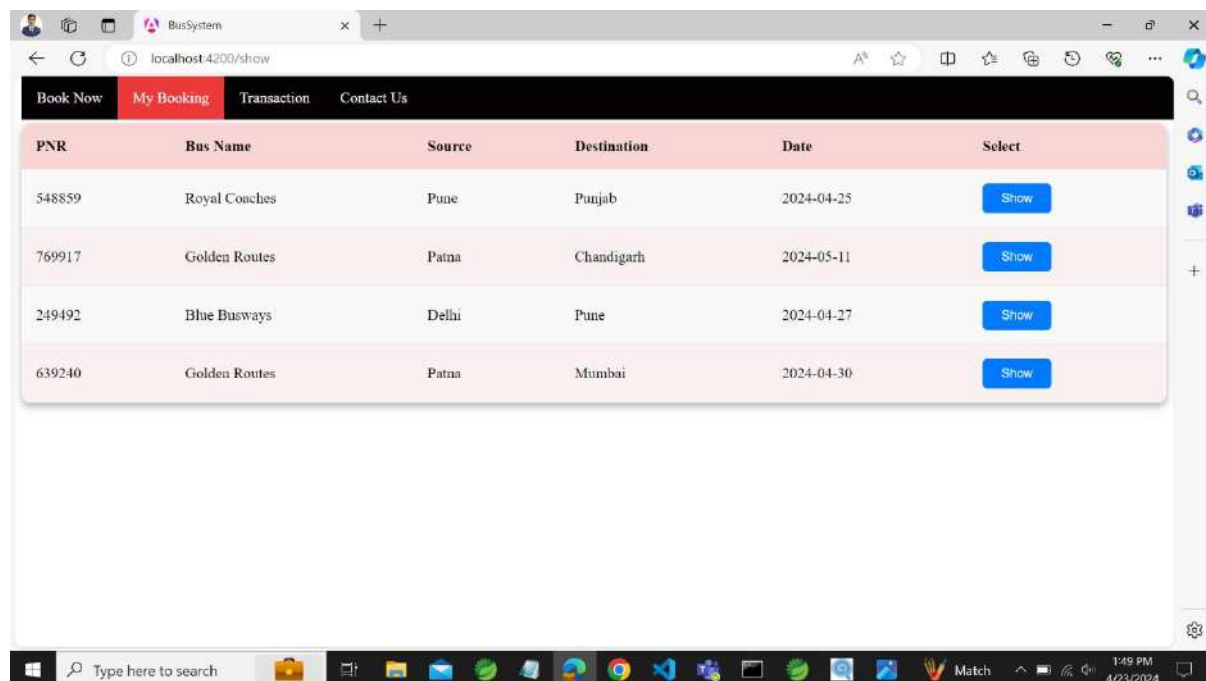
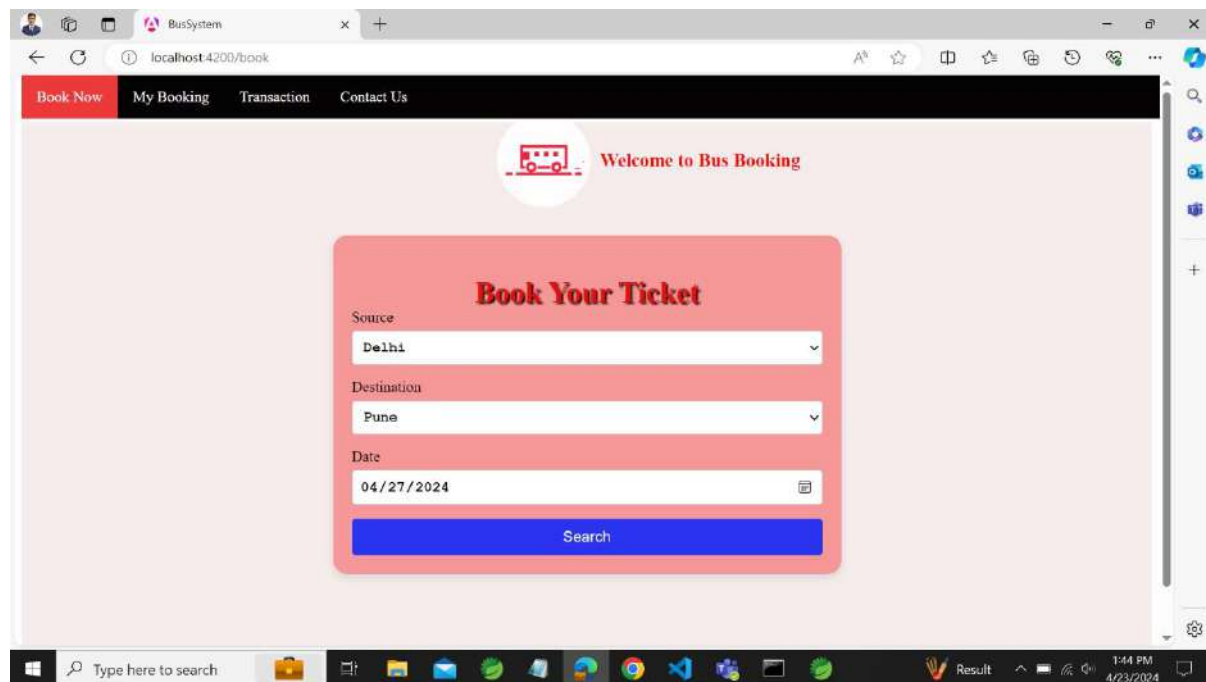
Type here to search

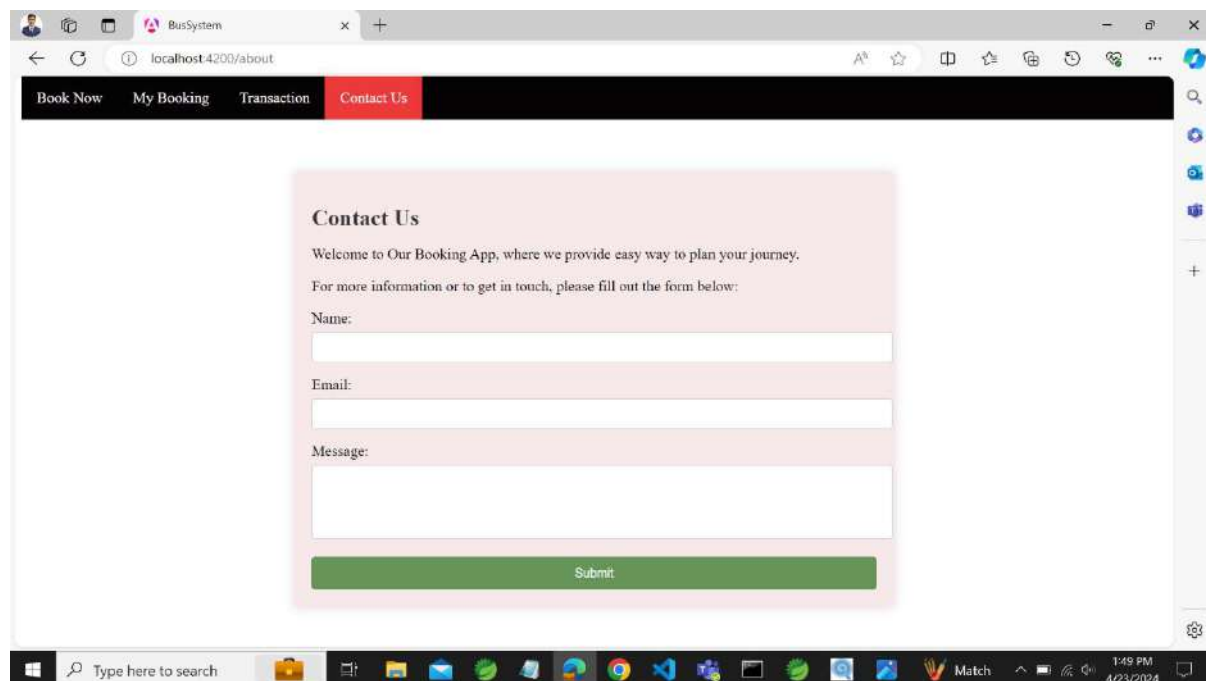
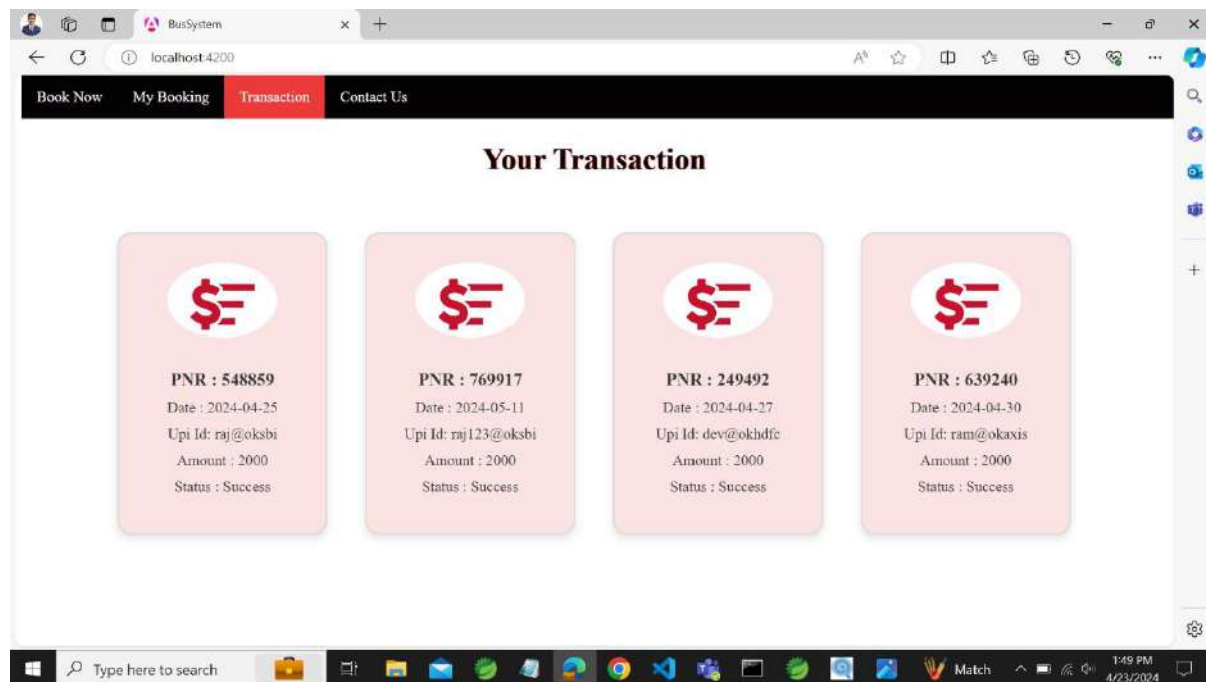
38°C

1:36 PM

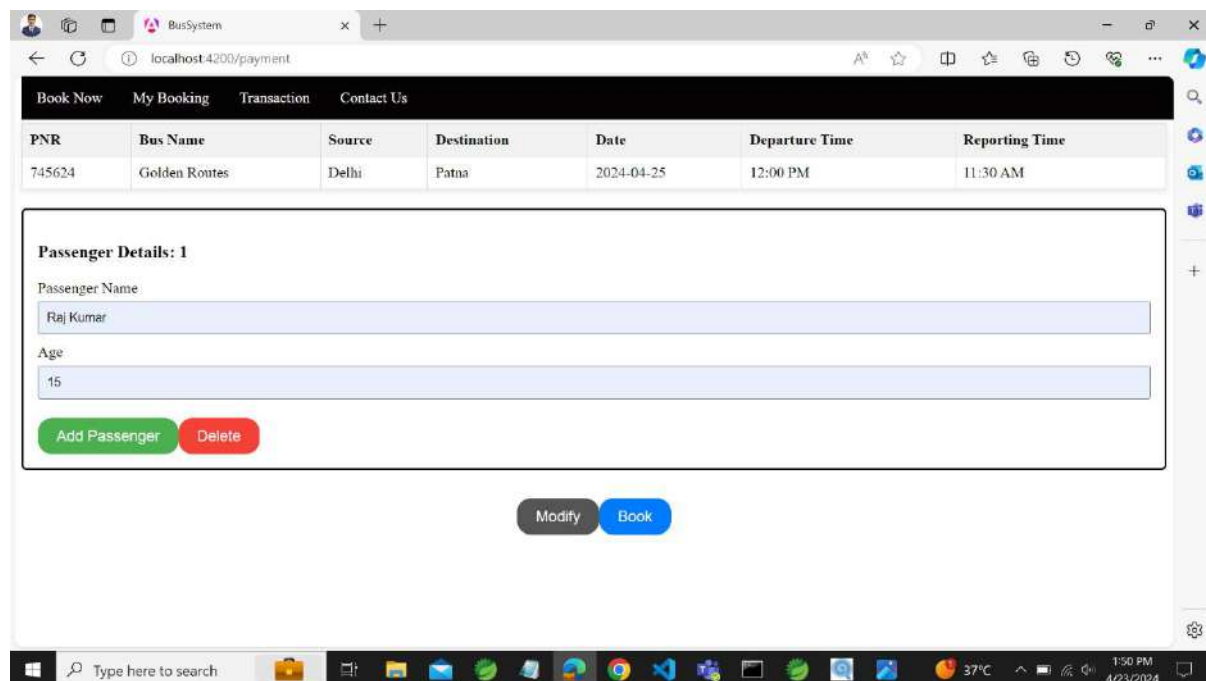
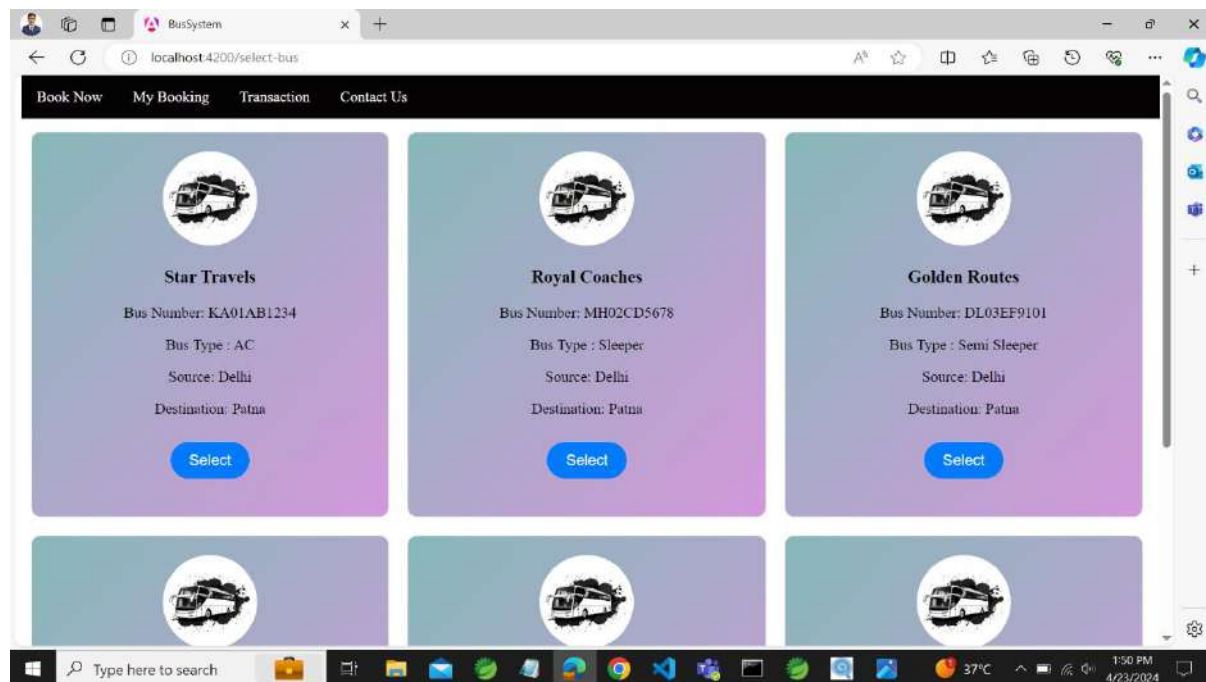
5/20/2024

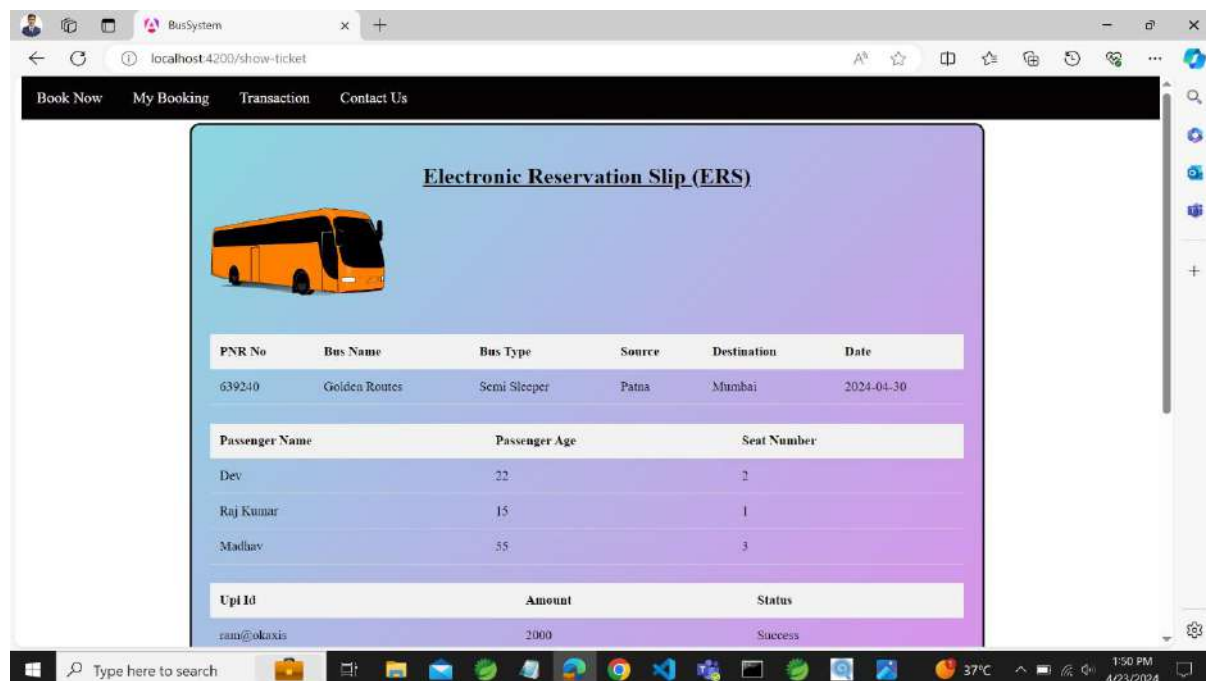
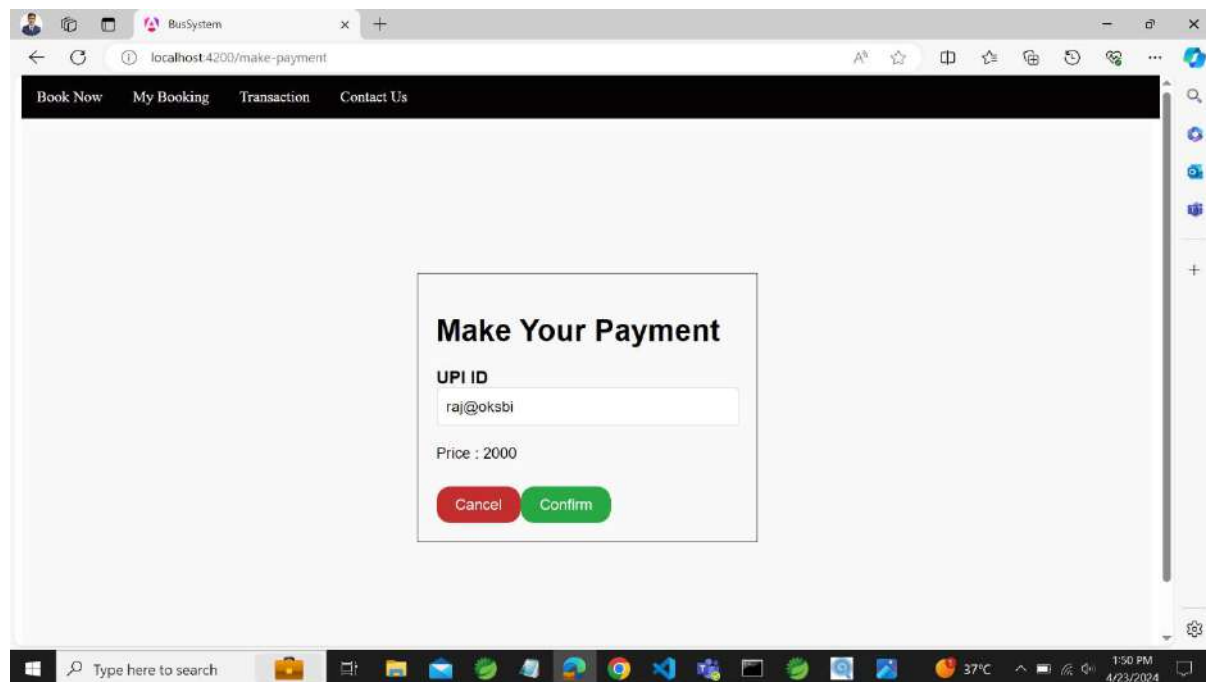












BusSystem

localhost:4200/show-ticket

Book NowMy BookingTransactionContact Us

Raj Kumar

15

1

Madhav

55

3

Upl Id	Amount	Status
rain@okaxis	2000	Success

Bus Guidelines :

- The bus ticket booking voucher which Our Bus issues to a User is solely based on the information provided or updated by the bus operator regarding the seat availability.
- At the time of boarding the bus, Users shall furnish a copy of the ticket, and any valid identity proof like andhar card, passport, PAN card or voter identification card or any other identity proof issued by a government authority.
- Users are advised to call the bus operator to find out the exact boarding point, or any information which they may need for the purpose of boarding or travel in that trip.
- The amenities, services, routes, fares, schedule, bus type, seat availability and any other details pertaining to the bus service are provided by the respective bus operator.

Contact Details :

If you have any further queries or require assistance, please contact:

Customer Support: 1800-123-4567

Email: support@mybus.com

HyperSQL Database Manager

File View Command Recent Options Tools Schemas Help

Clear SQLExecute SQL

jdbc:hsql:hsd://localhost/xdb

PUBLIC.BUS\_TABLE

PUBLIC.CUSTOMER\_TBL

PUBLIC.DEPARTMENT

PUBLIC.EMPLOYEE

PUBLIC.EMPLOYEE\_TABLE

PUBLIC.KPPT

PUBLIC.MYDEPT120

PUBLIC.PASSENGER\_TABLE

PUBLIC.PAYMENT\_TBL

PUBLIC.STUDENT

Properties

SELECT \* FROM "PUBLIC"."BUS\_TABLE"

ID	BUS_NAME	BUS_NUMBER	JOURNEY_DATE	DEPARTURE_TIME	DESTINATION	PNR	REPORTING_TIME	SOURCE	BUS_TYPE
30	Royal Coaches	PH02CD5678	2024-04-25 05:30:00.0	11:00 AM	Punjab	548059	10:30 AM	Pune	Sleeper
31	Golden Routes	DL03EF9101	2024-05-11 05:30:00.0	12:00 PM	Chandigarh	769017	11:30 AM	Patna	Semi Sleeper
32	Blue Busways	TN04GH1122	2024-04-27 05:30:00.0	1:00 PM	Pune	249492	12:30 PM	Delhi	Non AC
33	Golden Routes	DL03EF9101	2024-04-30 05:30:00.0	12:00 PM	Mumbai	639240	11:30 AM	Patna	Semi Sleeper

Ready / 4 rows retrieved in 0.7 ms

27

HyperSQL Database Manager

File View Command Recent Options Tools Schemas Help

Clear SQL Execute SQL

jdbc:hsldb:sql://localhost:xdp

PUBLIC.BUS\_TABLE  
PUBLIC.CUSTOMER\_TBL  
PUBLIC.DEPARTMENT  
PUBLIC.EMPLOYEE  
PUBLIC.EMPLOYEE\_TABLE  
PUBLIC.KPIET  
PUBLIC.MYDEPT120  
PUBLIC.PASSENGER\_TABLE  
PUBLIC.PAYMENT\_TBL  
PUBLIC.STUDENT  
Properties

SELECT \* FROM "PUBLIC"."PASSENGER\_TABLE"

ID	AGE	NAME	PNR	SEAT
57	15	Raj Kumar	548659	1
58	15	Raj Kumar	769917	1
59	22	Dev Kumar	769917	2
60	15	Raj Kumar	249492	1
61	22	Dev	639240	2
62	15	Raj Kumar	639240	1
63	55	Madhav	639240	3



Ready / 7 rows retrieved in 0.8 ms

Type here to search

37°C 1:51 PM 4/23/2024

localhost:4200/book-ticket

Your Booking Book Your Ticket View Ticket

 **NOW** Book your ticket on Ask DISHA 2.0 


Source

Destination

Journey Date

mm/dd/yyyy


Search Them

 **IRCTC Customer Care No : 14646**


IRCTC does not do your Personal Booking Information / Data on their / Server / Cloud / Network / Data / Web / App / Mobile or any other way to ensure your data is secure and safe.

localhost:4200/book-ticket

Your Booking **Book Your Ticket** View Ticket




**NOW**  
**Book** your ticket on  
Ask DISHA 2.0



Source


Destination

Journey Date


 **IRCTC Customer Care No : 14646**

localhost:4200/book-ticket

Your Booking **Book Your Ticket** View Ticket **Transaction History**



**अब बुक करें, अपनी टिकट आसक दिसा (Ask DISHA 2.0) पर**



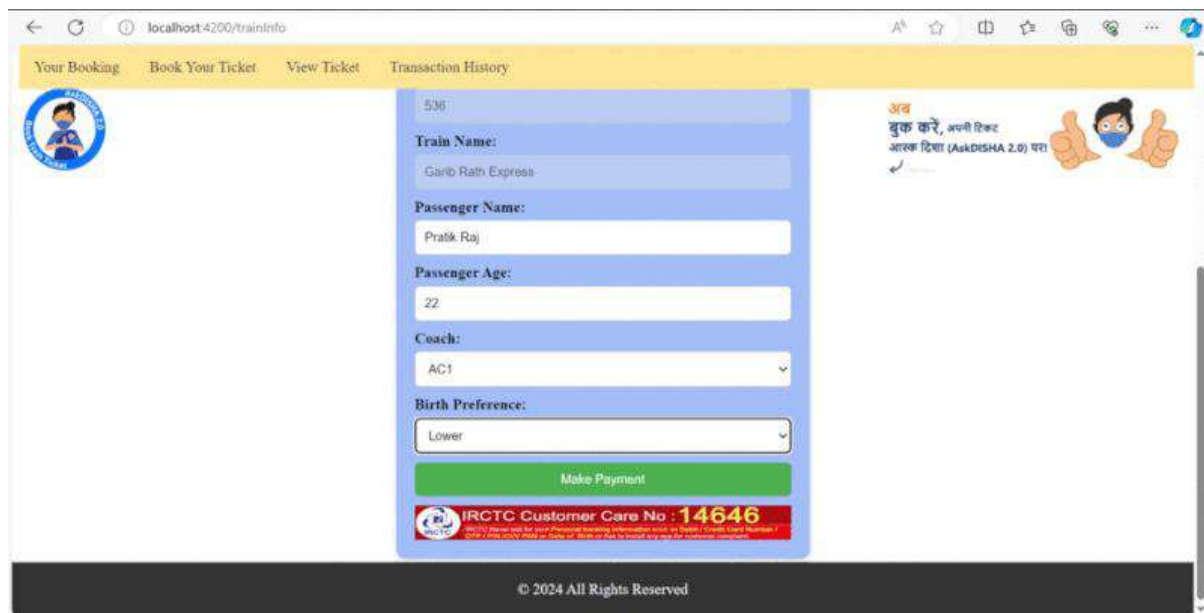
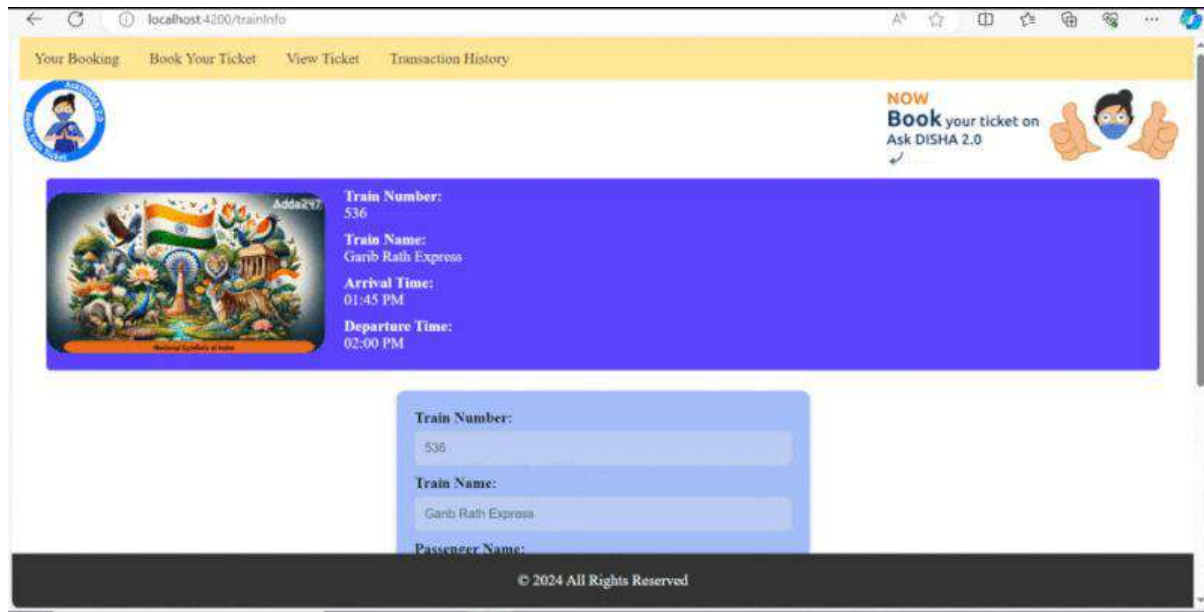
**Contact Us**

**Your Email Id**

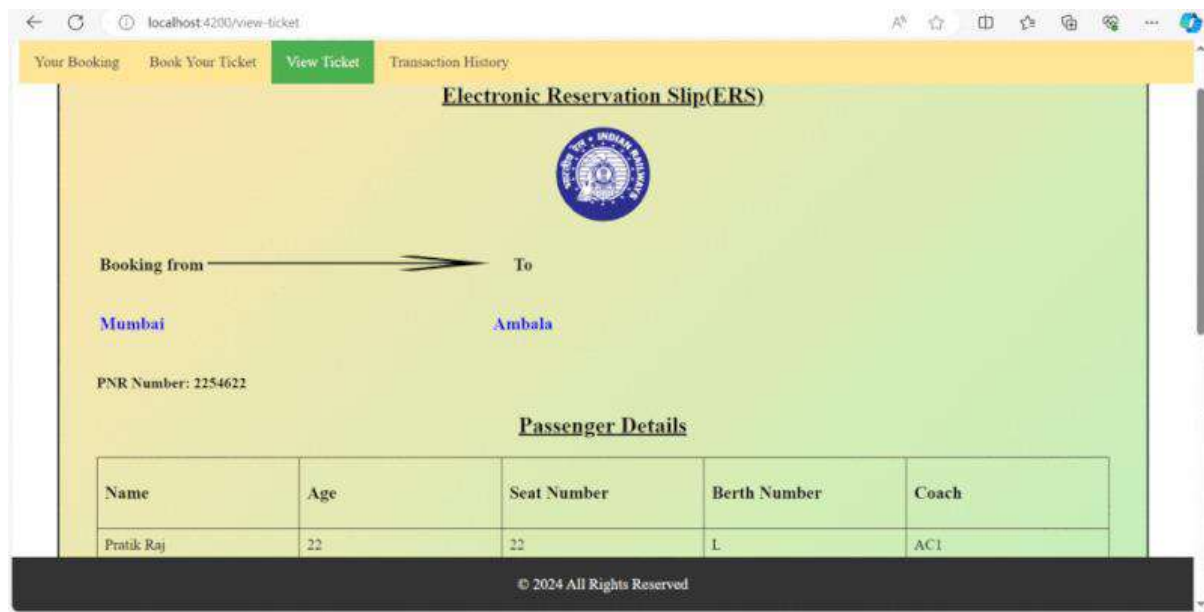
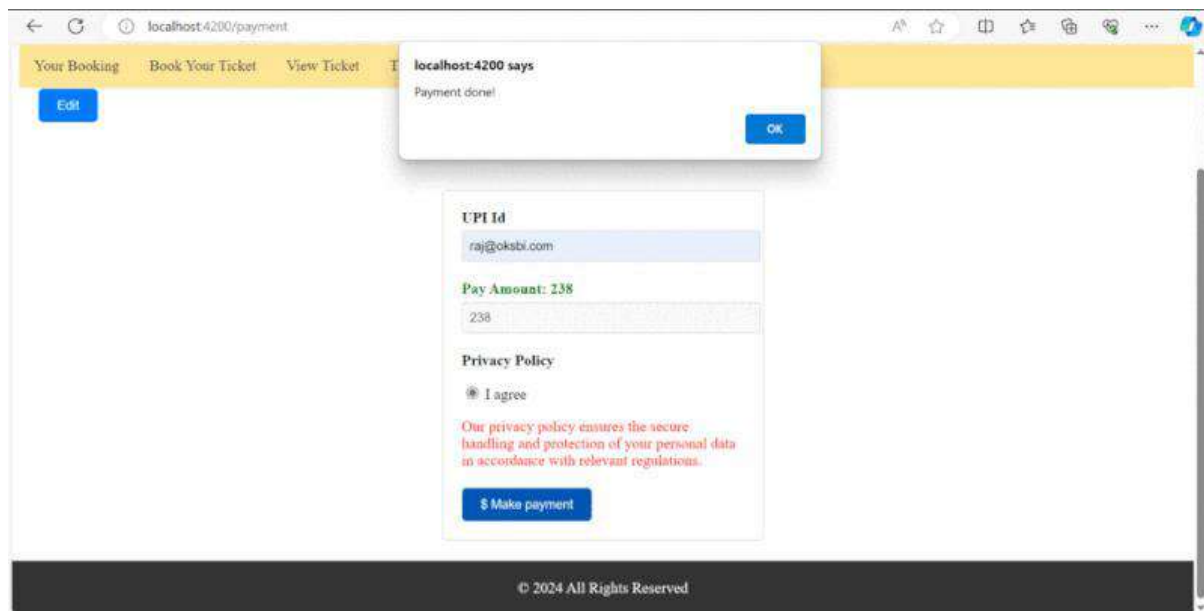
**Your Query**

**Email:** devk\*lpit.com  
**Phone:** +918092257498  
**Address:** Room 4, Phase-1, Pune, Maharashtra

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← localhost:4200/view-ticket

Your Booking Book Your Ticket **View Ticket** Transaction History

**Train Name:**  
Garib Rath Express


**Date of Journey:**  
2024-04-26T00:00:00.000+00:00

**Payment details:**

Payment Status	Ticket Cost
Success	238

**Customer Care:**

- For e-ticket booking , cancellation and refund assistance , please contact us at 14646 or mail us at mygov.in.
- For Railway Enquiry ,please contact us at 139 or SMS RAIL at 139.
- For e-catering , to book and get food delivered on your train berth , please contact us at 1323 (24\*7 Hrs Toll Free) or log on to www.ecatering.irctc.co.in.

 **IRCTC Customer Care No : 14646**

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HyperSQL Database Manager

File View Command Recent Options Tools Schemas Help

Clear S... Execute SQL

jdbc:hsqldb:tcp://localhost/xdb

PUBLIC.DEPT\_MASTER  
 PUBLIC.EMPLOYEE  
 PUBLIC.EMP\_TBL  
 PUBLIC.KPOT  
 PUBLIC.MEMBER  
 PUBLIC.MYDEPT120  
 PUBLIC.PAYMENTS  
 PUBLIC.SCHOOL  
 PUBLIC.STUDENT  
**PUBLIC.TICKET\_DETAILS**  
 PUBLIC.TRAIN  
 PUBLIC.TRAIN\_TICKET\_PAYMENT  
 PUBLIC.USER\_INFO  
 Properties

**SELECT \* FROM "PUBLIC"."TICKET\_DETAILS"**

SEAT_NUMBER	PASSENGER_AGE	BIRTH_PREFERENCE	COACH	JOURNEY_DATE	DESTINATION	PASSENGER_NAME	SOURCE	TRAIN_NAME	TRAIN_NUMBER
13	22:52		AC1	2024-02-04 05:30:00.0	Darbhanga	Dev Kumar	Pune	Garib rath	4651
14	28:UP		AC2	2024-04-26 05:30:00.0	Ambala	Raj	Mumbai	Gatimaan Express	873
15	21:52		AC1	2024-04-25 05:30:00.0	Ambala	Divya	Ambala	Rajdhani Express	357
16	26:8:52		AC1	2024-04-29 05:30:00.0	Darbhanga	Ram	Thane	Rajdhani Express	224
17	21:1		AC1	2024-04-03 05:30:00.0	Delhi	Madhav Gupta	Pune	Garib Rath Express	645
18	21:52		AC1	2024-04-26 05:30:00.0	Chandigarh	Madhav	Pune	Rani Express	442
19	22:50		AC3	2024-04-25 05:30:00.0	Gopalganj	Pratik	Delhi	Shatabdi Express	537
20	22:1		EC3	2024-04-19 05:30:00.0	Ambala	Akash	Mumbai	Rani Express	740
21	33:52		AC2	2024-04-18 05:30:00.0	Gopalganj	Dev Kumar	Mumbai	Rajdhani Express	53
22	22:1		AC1	2024-04-26 05:30:00.0	Ambala	Pratik Raj	Mumbai	Garib Rath Express	536

Ready / 10 rows retrieved in 1.4 ms

HyperSQL Database Manager

File View Command Recent Options Tools Schemas Help

Dear S... Execute SQL

SELECT \* FROM "PUBLIC"."TRAIN\_TICKET\_PAYMENTS"

PAYMENT_ID	PAY_AMOUNT	PAY_STATUS	UPI_ID
13	333	Success	dev@okhdtc.com
14	475	Success	dev@okhdtc.com
15	602	Success	dev@okhdtc.com
16	148	Success	ram@okhdtc.com
17	239	Success	dev@okhdtc.com
18	747	Success	dev@okhdtc.com
19	389	Success	pratik@okhdtc.com
20	502	Success	svash@okhdtc.com
21	423	Success	dev@okhdtc.com
22	238	Success	raj@okhdtc.com

Ready / 10 rows retrieved in 0.8 ms

myWorld x microsoft 365 - Search x EaseBooking x +

localhost:4200/bookflight

### Book Your Flight

Seat Number:

Source:

Destination:

Date of Journey:

Adults:

Children:

Passenger Name:

Passenger Age:

Type here to search

1:38 PM 5/20/2024

myWorld | microsoft 365 - Search | EaseBooking | +

localhost:4200/aboutus

## Contact Us

Name:

Email:

Message:

Type here to search | 1:37 PM 5/20/2024

myWorld | microsoft 365 - Search | EaseBooking | +

localhost:4200/payment3?flightData=%7B%22seatNumber%22%3A12%2C%22source%22%3A%22Kochi%22%2C%22destination%22%3A%22Chandigarh%22%2C%22date%22%3A%22%22%7D

### Confirm Your Booking and Make Payment

**Flight Details**

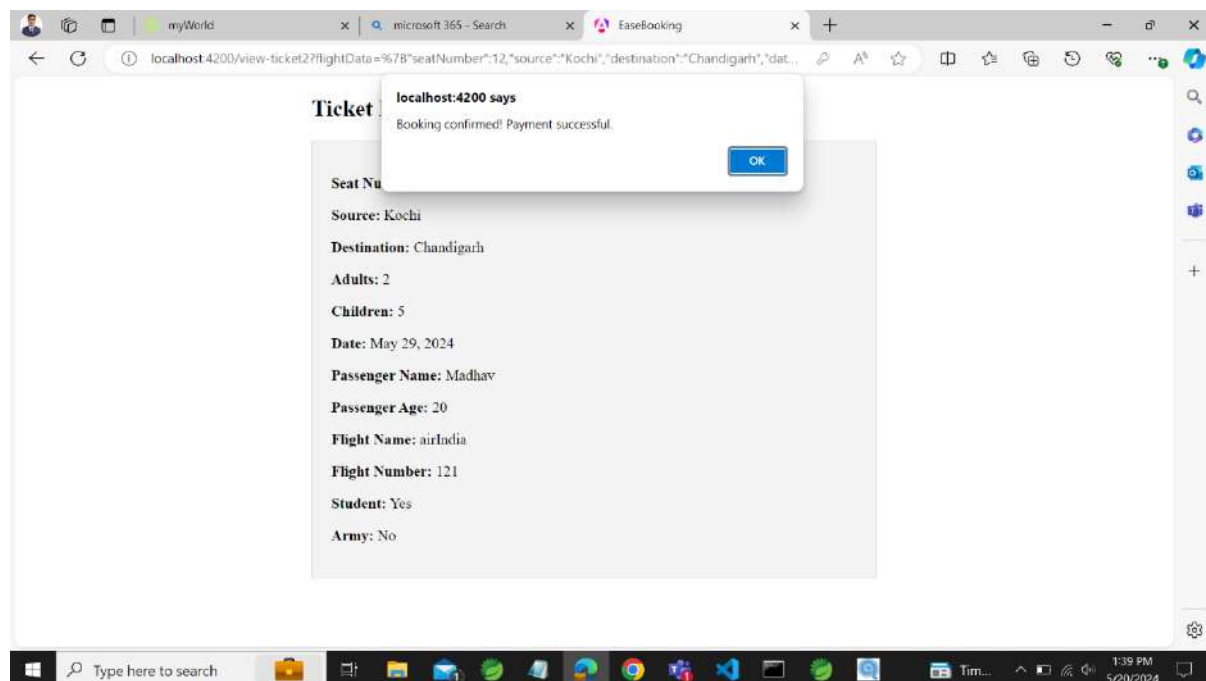
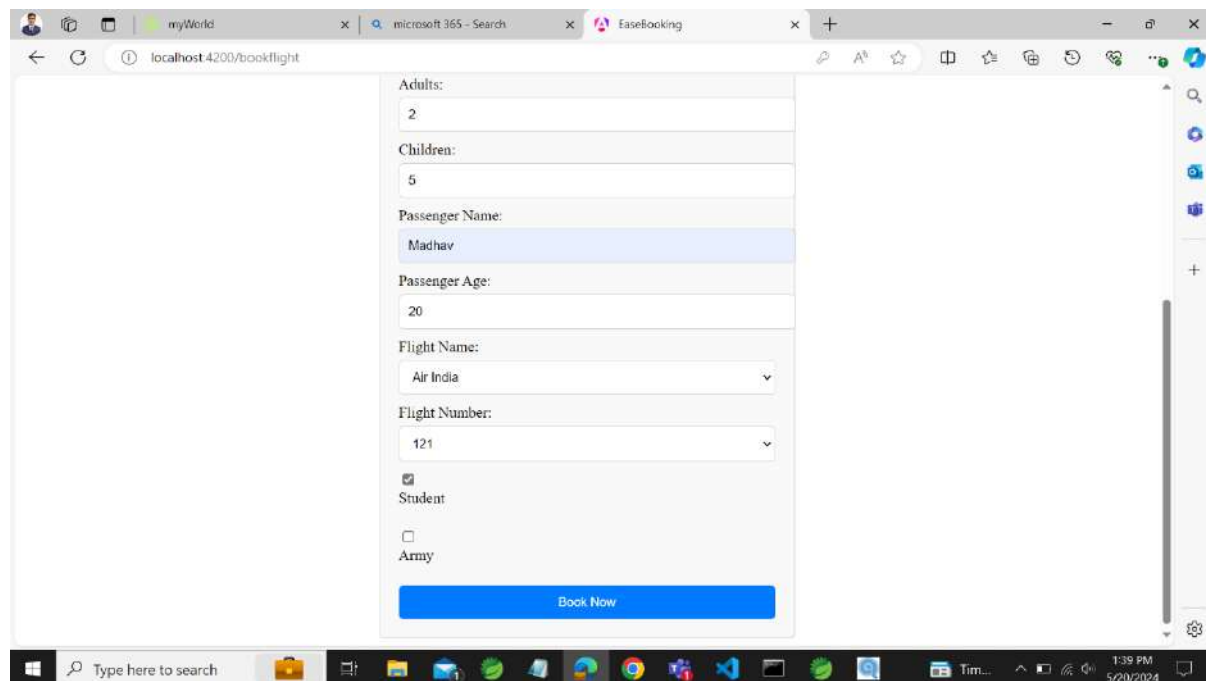
**Seat Number:** 12

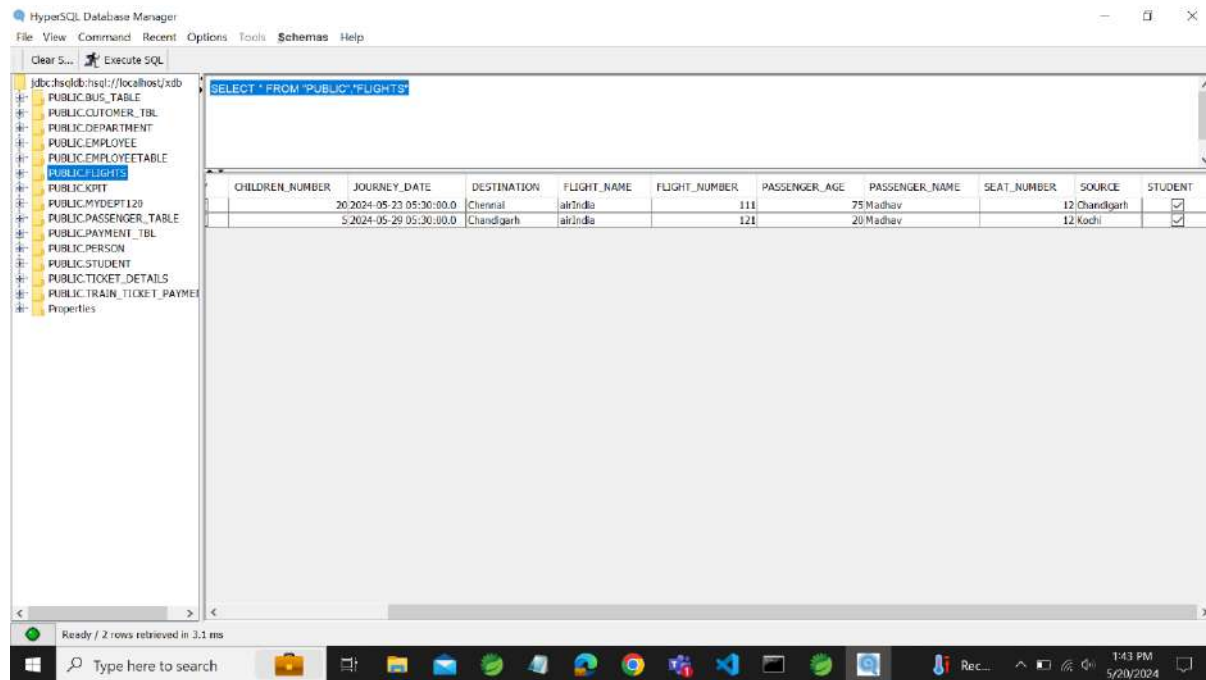
**Source:** Kochi

**Destination:** Chandigarh

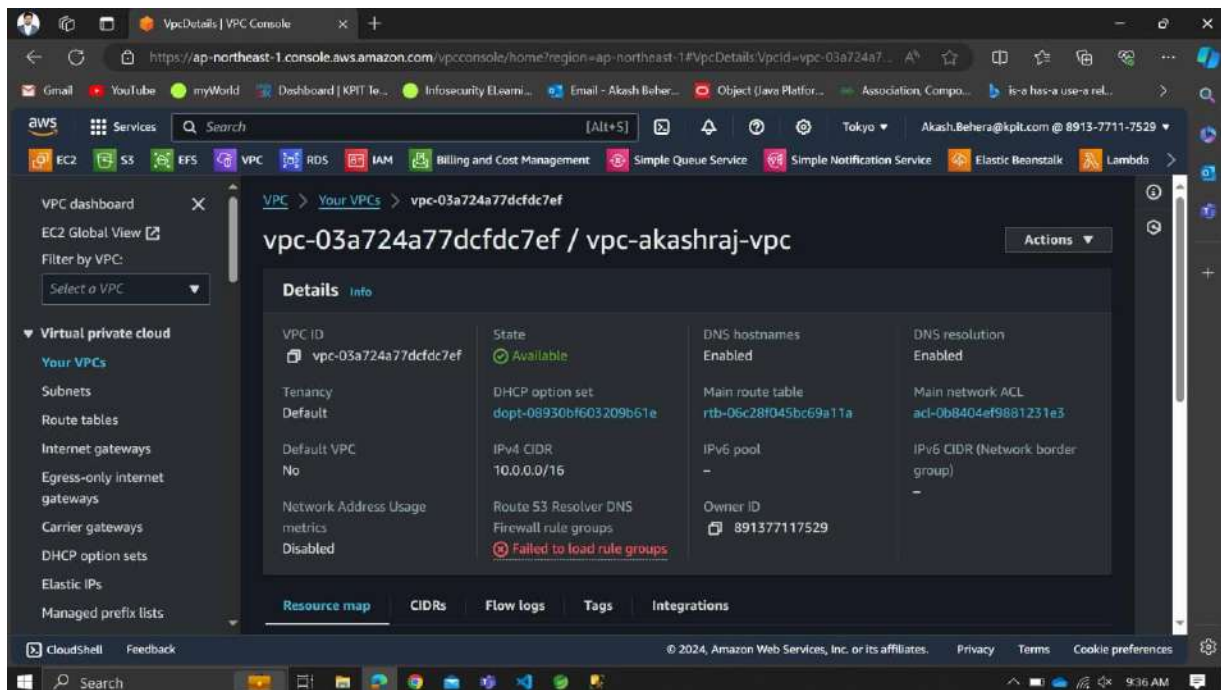
**Payment Method:**

Type here to search | 1:39 PM 5/20/2024





## VPC CREATION



## EC2

The screenshot displays the AWS Management Console for an EC2 instance. The top section shows the 'Instance summary' for instance `i-0f7048b63ef4e2c34` (named `akashrajinstance`). The instance is in a `Running` state. The bottom section shows the 'Instance details' for the same instance.

**Instance summary for i-0f7048b63ef4e2c34 (akashrajinstance)**

Property	Value
Instance ID	i-0f7048b63ef4e2c34 (akashrajinstance)
Public IPv4 address	52.0.155.72 <a href="#">open address</a>
Private IPv4 addresses	172.31.47.95
IPv6 address	-
Instance state	Running
Public IPv4 DNS	ec2-52-0-155-72.compute-1.amazonaws.com <a href="#">open address</a>
Hostname type	IP name: ip-172-31-47-95.ec2.internal
Private IP DNS name (IPv4 only)	ip-172-31-47-95.ec2.internal
Answer private resource DNS name	IPV4 (A)
Instance type	t2.micro
Elastic IP addresses	-
Auto-assigned IP address	52.0.155.72 [Public IP]
VPC ID	vpc-069efb86b39a267f7 (default)
AWS Compute Optimizer finding	-

**Instance details**

Property	Value
Platform	Ubuntu (Inferred)
AMI ID	ami-07d9b9ddc6cd8dd30
Monitoring	disabled
Platform details	Linux/UNIX
AMI name	ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-20240207.1
Termination protection	Disabled
Stop protection	Disabled
Launch time	Wed Mar 13 2024 09:52:35 GMT+0530 (India Standard Time) (1 minute)
AMI location	amazon/ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-20240207.1
Instance auto-recovery	Default
Lifecycle	normal
Stop-hibernate behavior	Disabled
AMI Launch index	0
Key pair assigned at launch	akash
State transition reason	-
Credit specification	standard
Kernel ID	-
State transition message	-
Usage operation	-
RAM disk ID	-
Owner	-



Instance details | EC2 | us-east-1

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#InstanceDetails:instanceId=i-0f7048b63ef4e2c34

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EC2 S3 EFS VPC RDS IAM Billing and Cost Management Simple Queue Service Simple Notification Service Elastic Beanstalk Lambda

EC2 Dashboard EC2 Global View Events Console-to-Code Preview

Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations New

Images

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9:54 AM

Instance details | EC2 | us-east-1

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#InstanceDetails:instanceId=i-0f7048b63ef4e2c34

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EC2 S3 EFS VPC RDS IAM Billing and Cost Management Simple Queue Service Simple Notification Service Elastic Beanstalk Lambda

EC2 Dashboard EC2 Global View Events Console-to-Code Preview

Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations New

Images

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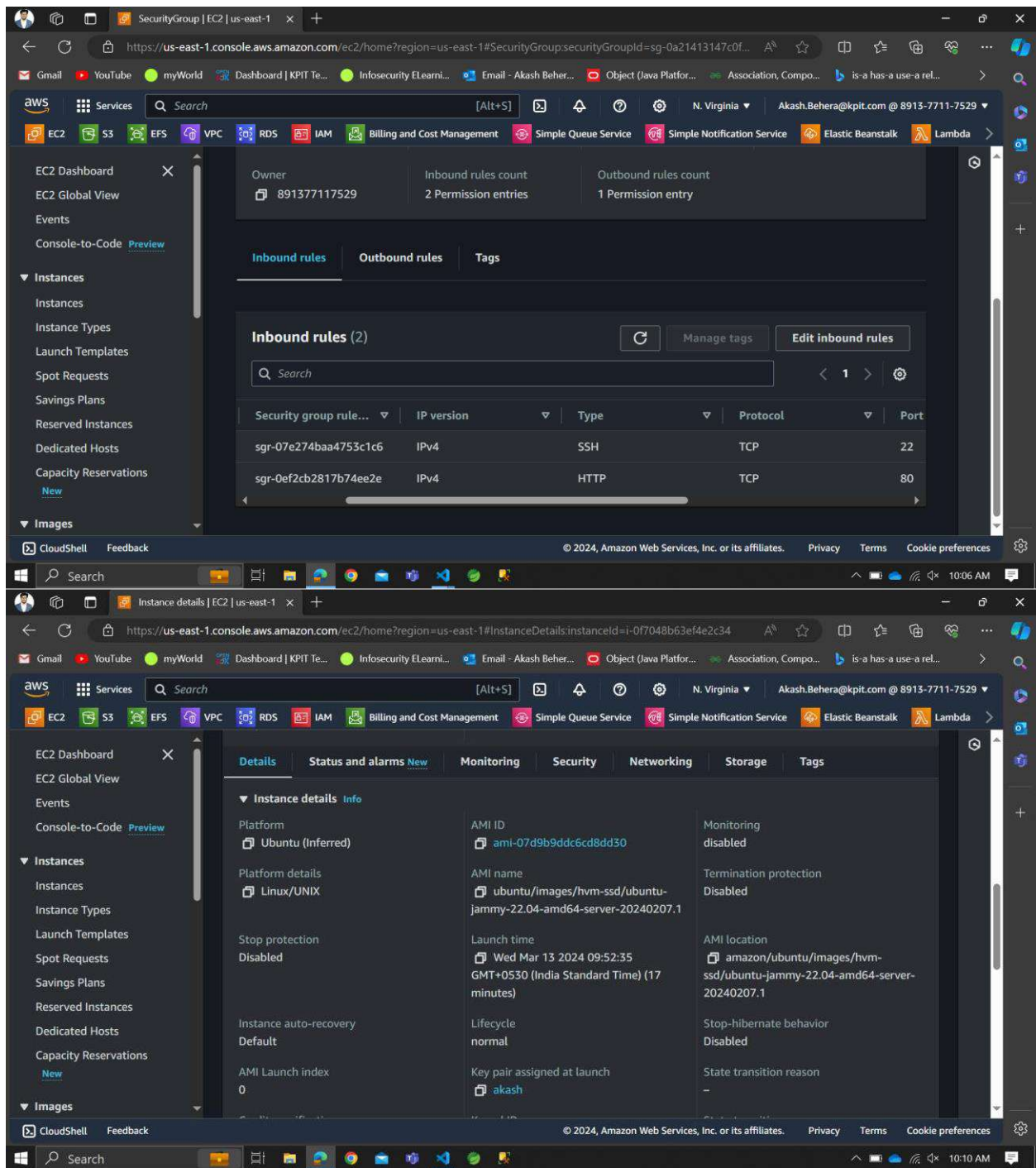
10:05 AM

Instance summary for i-0f7048b63ef4e2c34 (akashrajinstance) Info

Updated 10 minutes ago

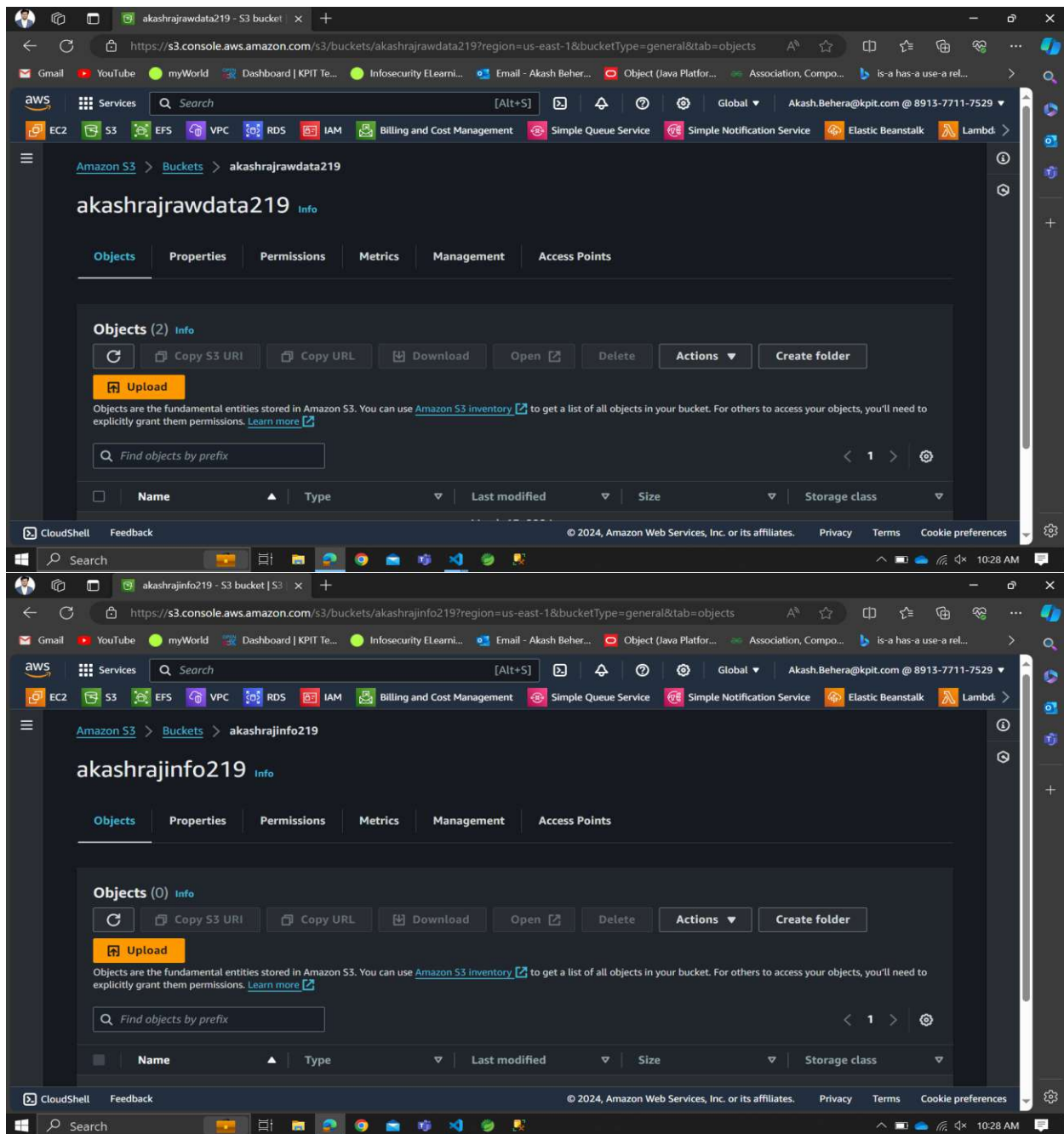
Connect Instance state Actions

Instance ID i-0f7048b63ef4e2c34 (akashrajinstance)	Public IPv4 address 52.0.155.72 <a href="#">open address</a>	Private IPv4 addresses 172.31.47.95
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-52-0-155-72.compute-1.amazonaws.com <a href="#">open address</a>
Hostname type IP name: ip-172-31-47-95.ec2.internal	Private IP DNS name (IPv4 only) ip-172-31-47-95.ec2.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding -
Auto-assigned IP address 52.0.155.72 [Public IP]	VPC ID vpc-069efb86b39a267f7 (default) <a href="#">open address</a>	



S3 BUCKET





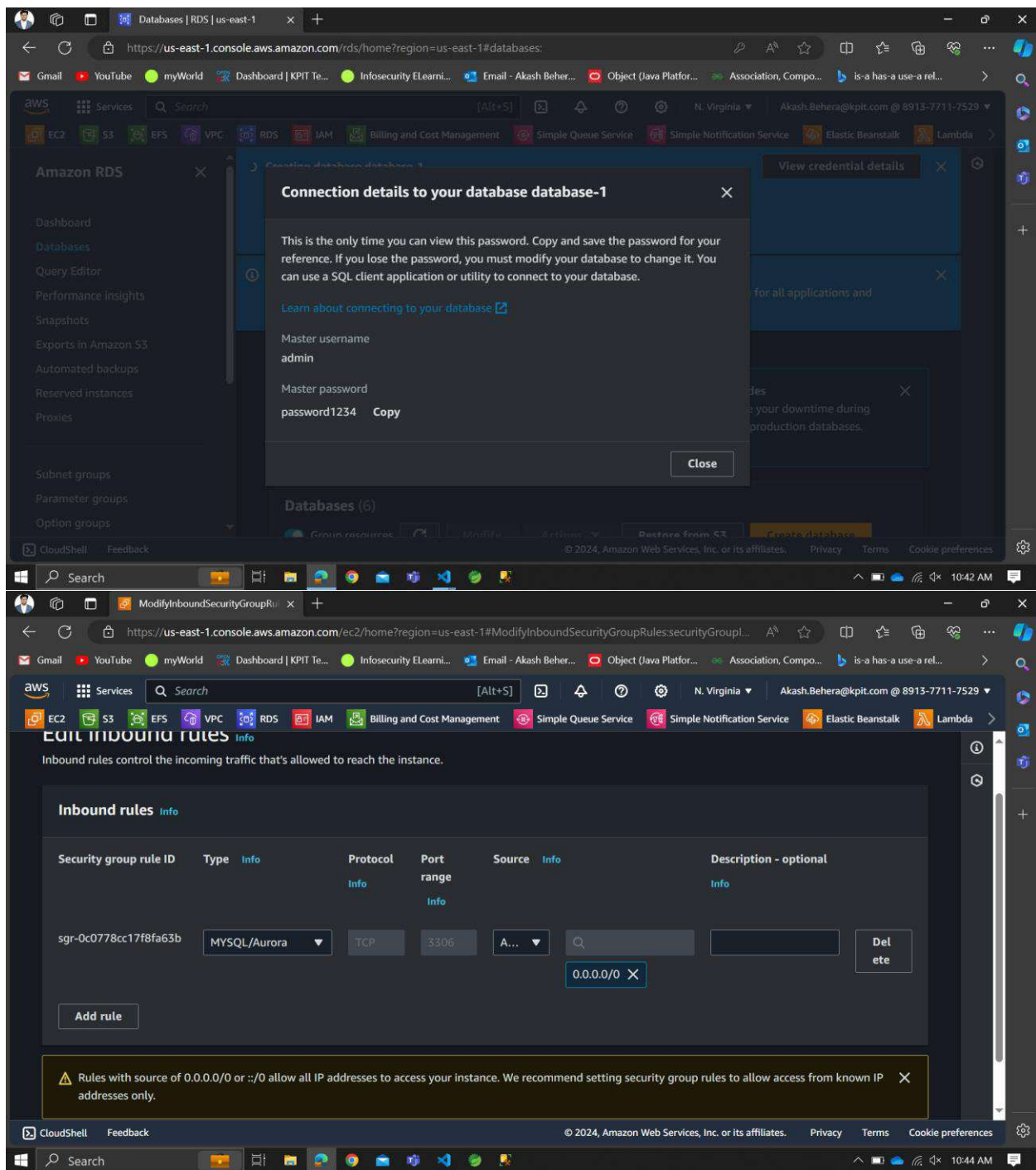
The screenshot displays the AWS S3 console interface. The top section shows a list of 'General purpose buckets (76)'. Below this, a table lists several buckets with their names, AWS regions, access status, and creation dates. The bucket 'akashrajrawdata219' is highlighted, and its details are shown in the bottom section. This section includes tabs for 'Objects', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is active, showing a list of objects within the bucket, including 'feb.txt' and 'jan.txt'.

Name	AWS Region	Access	Creation date
adityajharawdata123	Canada (Central) ca-central-1	Insufficient permissions	March 13, 2024, 10:21:47 (UTC+05:30)
akashrajinfo219	US East (N. Virginia) us-east-1	Insufficient permissions	March 13, 2024, 10:25:01 (UTC+05:30)
akashrajrawdata219	US East (N. Virginia) us-east-1	Insufficient permissions	March 13, 2024, 10:23:26 (UTC+05:30)
akknew	Asia Pacific (Tokyo) ap-northeast-1	Insufficient permissions	March 12, 2024, 21:20:17 (UTC+05:30)
alertawsbucket	Asia Pacific (Mumbai) ap-south-1	Insufficient permissions	March 12, 2024, 20:07:59 (UTC+05:30)
	South America (Sao Paulo) sa-		March 13, 2024, 10:17:03

Name	Type	Last modified	Size	Storage class
feb.txt	txt	March 13, 2024, 10:28:05 (UTC+05:30)	16.0 B	Standard
jan.txt	txt	March 13, 2024, 10:27:33 (UTC+05:30)	15.0 B	Standard

RDS



The screenshot displays the AWS RDS console interface. The top navigation bar shows the AWS logo, a search bar, and various service icons. The left sidebar contains navigation links for Amazon RDS, including Dashboard, Databases, Query Editor, Performance insights, Snapshots, Exports in Amazon S3, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, and Option groups. The main content area shows the details for a database instance named 'database-1'. The instance is a MySQL Community Edition db.t3.micro in us-east-1. The 'Tags' tab is selected, showing a single tag 'owner=' with the value 'akashraj'. Below the console, a CloudShell terminal window is open, showing the execution of 'mysql --version' and 'mysql -hdatabase-1.cp084yq4wygo.us-east-1.rds.amazonaws.com -ppassword1234 -uadmin'.

Amazon RDS

DB identifier: database-1

Status: Backing-up

Role: Instance

Engine: MySQL Community

Region & AZ: us-east-1a

CPU: -

Class: db.t3.micro

Current activity

Configuration | Zero-ETL integrations | Maintenance & backups | **Tags** | Recommendations

Tags (1)

Filter by Tag key

Tags

Value

owner= akashraj

CloudShell

us-east-1

```
[cloudshell-user@ip-10-132-50-176 ~]$ mysql --version
mysql Ver 15.1 Distrib 10.5.23-MariaDB, for Linux (x86_64) using Editline wrapper
[cloudshell-user@ip-10-132-50-176 ~]$ mysql -hdatabase-1.cp084yq4wygo.us-east-1.rds.amazonaws.com -ppassword1234 -uadmin
```



SDMDD

The screenshot shows the AWS Management Console for the Amazon RDS service, specifically the CloudShell interface for a database instance named 'database-1' in the 'us-east-1' region. The console displays the execution of MySQL commands to create a database named 'sampledb' and a table named 'emps'. The table 'emps' has columns 'empid' (primary key, auto-increment) and 'ename' (varchar(20)). Five rows of data are inserted into the 'emps' table: ('Akash'), ('Raj'), ('Ram'), ('Ramu'), and ('Raju'). The console also shows the MySQL version and server information.

```
[cloudshell-user@ip-10-132-50-176 ~]$ mysql --version
mysql Ver 15.1 Distrib 10.5.23-MariaDB, for Linux (x86_64) using Editline wrapper
[cloudshell-user@ip-10-132-50-176 ~]$ mysql -hdatabase-1.cp084yq4wygo.us-east-1.rds.amazonaws.com -ppassword1234 -uadmin
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 22
Server version: 8.0.35 Source distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> create database sampledb;
Query OK, 1 row affected (0.006 sec)

MySQL [(none)]> use sampledb;
Database changed
MySQL [sampledb]>

MySQL [sampledb]> create table emps (empid int primary key auto_increment, ename varchar(20));
Query OK, 0 rows affected (0.031 sec)

MySQL [sampledb]> insert into emps (ename) values ('Akash');
Query OK, 1 row affected (0.006 sec)

MySQL [sampledb]> insert into emps (ename) values ('Raj');
Query OK, 1 row affected (0.005 sec)

MySQL [sampledb]> insert into emps (ename) values ('Ram');
Query OK, 1 row affected (0.004 sec)

MySQL [sampledb]> insert into emps (ename) values ('Ramu');
Query OK, 1 row affected (0.005 sec)

MySQL [sampledb]> insert into emps (ename) values ('Raju');
Query OK, 1 row affected (0.004 sec)

MySQL [sampledb]> commit;
```

Amazon RDS console screenshot showing the CloudShell interface and the database configuration page for 'database-1'.

**CloudShell Interface:**

```
MySQL [sampledb]> insert into emps (ename) values ('Raju');
Query OK, 1 row affected (0.004 sec)

MySQL [sampledb]> commit;
Query OK, 0 rows affected (0.001 sec)

MySQL [sampledb]> select * from emps;
+-----+-----+
| empid | ename |
+-----+-----+
| 1     | Akash |
| 2     | Raj   |
| 3     | Ram   |
| 4     | Ramu  |
| 5     | Raju  |
+-----+-----+
5 rows in set (0.001 sec)

MySQL [sampledb]>
```

**Database Configuration Page (database-1):**

Summary

DB identifier	Status	Role	Engine	Recommendations
database-1	Back-up	Instance	MySQL Community	
CPU	Class	Current activity	Region & AZ	
-	db.t3.micro		us-east-1a	

Configuration | Zero-ETL Integrations | Maintenance & backups | **Tags** | Recommendations

Amazon RDS console screenshot showing configuration details for a database instance.

**Endpoint & port**

- Endpoint: database-1.cp084yq4wygo.us-east-1.rds.amazonaws.com
- Port: 3306

**Networking**

- Availability Zone: us-east-1a
- VPC: akashvpc-vpc (vpc-0bb6ecf857262aea9)
- Subnet group: default-vpc-0bb6ecf857262aea9
- Subnets: subnet-0bad2e268739dcf20, subnet-045c851a82eb78ead, subnet-

**Security**

- VPC security groups: akashsg (sg-0c214529decea32c2) (Active)
- Publicly accessible: Yes
- Certificate authority: rds-ca-rsa2048-g1
- Certificate authority date: May 26, 2061, 05:04 (UTC+05:30)
- DB instance certificate expiration date

**Security group rules (2)**

Security group	Type	Rule
akashsg (sg-0c214529decea32c2)	CIDR/IP - Inbound	0.0.0.0/0
akashsg (sg-0c214529decea32c2)	CIDR/IP - Outbound	0.0.0.0/0

**Replication (1)**

DB identifier	Role	Region & AZ	Replication source	Replication state	Lag

Amazon RDS console screenshot showing the configuration of an RDS instance.

**Instance Configuration:**

Configuration	Instance class	Storage	Performance Insights
DB instance ID: database-1	Instance class: db.t3.micro	Encryption: Enabled	Performance Insights: enabled
Engine version: 8.0.35	vCPU: 2	AWS KMS key: e7d34b40-fcec-4c7b-afd0-cf714aea0f68	Turned off
DB name: -	RAM: 1 GB	Storage type: General Purpose SSD (gp2)	
License model: General Public License	Availability	Storage: 20 GiB	
Option groups	Master username	Provisioned IOPS: -	

**CloudShell:**

```
aws rds describe-db-instances --db-instance-ids database-1
```

**Instance Details:**

Configuration	Instance class	Storage	Performance Insights
License model: General Public License	Instance class: db.t3.micro	Storage type: General Purpose SSD (gp2)	Performance Insights: enabled
Option groups: default:mysql-8-0	RAM: 1 GB	Storage: 20 GiB	Turned off
Amazon Resource Name (ARN): arn:aws:rds:us-east-1:891377117529:db:database-1	Master username: admin	Provisioned IOPS: -	
Resource ID: db-MNVXHRJL3CFOW0564S	Master password: *****	Storage throughput: -	
Subnet groups: BMVE47MI	IAM DB authentication: Not enabled	Storage autoscaling: Enabled	
	Multi-AZ: No	Maximum storage threshold: 1000 GiB	
	Secondary Zone: -	Storage file system	



The image is a composite screenshot showing two different web interfaces. The top half displays the AWS Management Console for Amazon RDS in the 'us-east-1' region. The left sidebar shows navigation options like Dashboard, Databases, Query Editor, and Performance Insights. The main area, titled 'Databases (5)', contains a table of database instances. The bottom half of the image shows a web browser displaying an email from Temp Mail. The email is a confirmation for an AWS SNS subscription. It includes a 'Back' button, 'Mark as a Unread' and 'Delete' actions, and a 'Select Language' dropdown. The email body contains a confirmation link and instructions. The browser's address bar shows the URL for the SNS confirmation page.

**AWS RDS Databases Table:**

DB identifier	Status	Role	Engine	Region & Availability Zone
database-1	Available	Multi-AZ DB cluster	MySQL Community	us-east-1
database-1-instance-1	Available	Writer instance	MySQL Community	us-east-1f
database-1-instance-2	Available	Reader instance	MySQL Community	us-east-1d
database-1-instance-3	Available	Reader instance	MySQL Community	us-east-1a
database-1	Available	Instance	MySQL Community	us-east-1a
database-198	Available	Instance	MySQL Community	us-east-1b

**Temp Mail Email Content:**

Subject: AWS Notification - Subscription Confirmation

You have chosen to subscribe to the topic:  
**arn:aws:sns:us-east-1:891377117529:newoffersakashraj**

To confirm this subscription, click or visit the link below (If this was in error no action is necessary):  
[Confirm subscription](#)

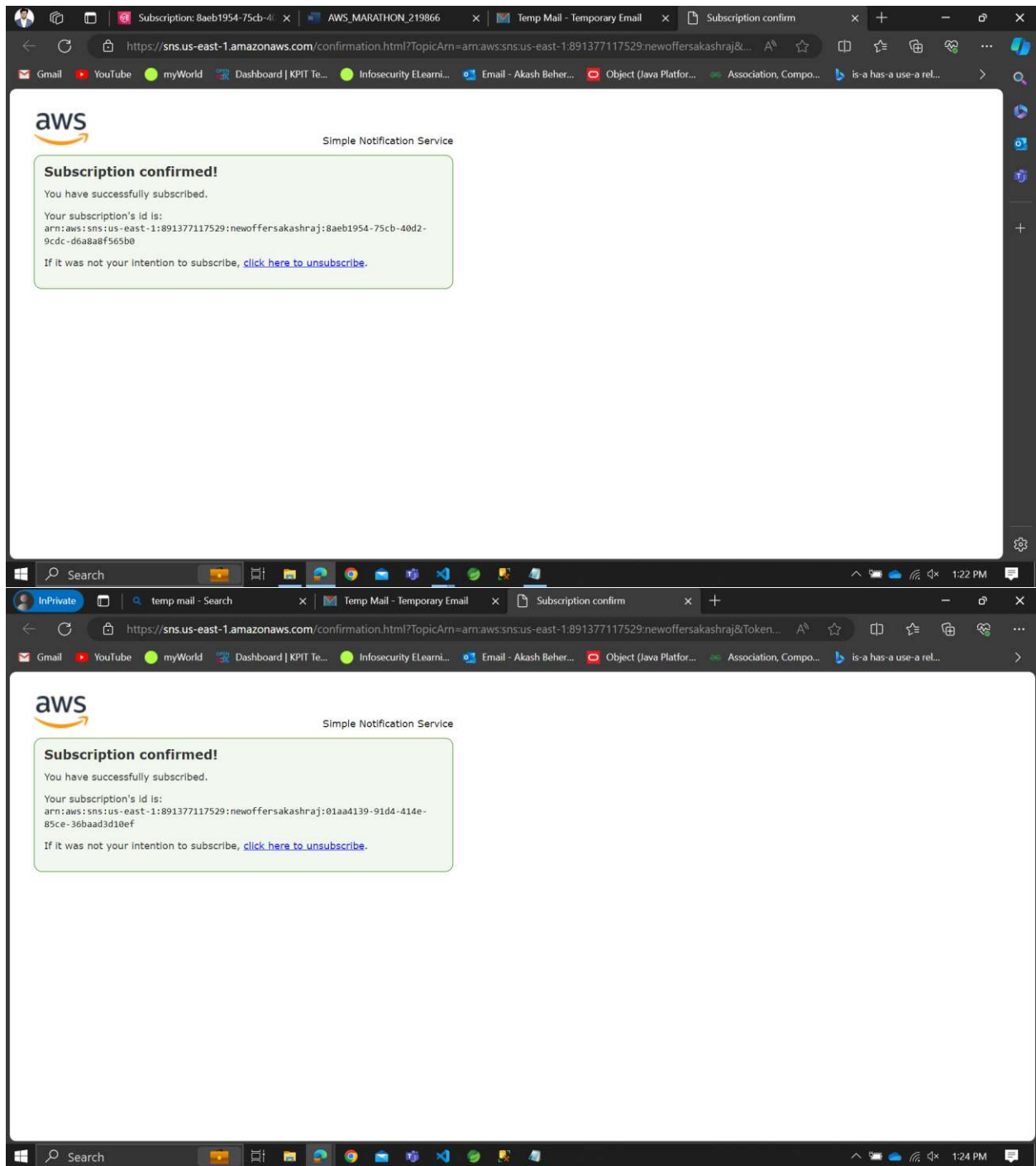
Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)

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OK Learn more

URL: <https://sns.us-east-1.amazonaws.com/confirmation.html?TopicArn=arn:aws:sns:us-east-1:891377117529:newoffersakashraj&Token=2336412f37fb687f5d51e6e2425ba1f252b28f4c4be75ac916f3a47a3eb78dc41ce3cc43ec1cc7...>

SNS



newoffersakashraj | Topics | AWS | AWS\_MARATHON\_219866 | Temp Mail - Temporary Email | Subscription confirm

https://us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/topic/arn:aws:sns:us-east-1:891377117529:newoffersakashraj

Gmail YouTube myWorld Dashboard | KPIT Te... Infosecurity ELearn... Email - Akash Beher... Object (Java Platfor... Association, Compo... is-a has-a use-a rel...

aws Services Search [Alt+S] N. Virginia Akash.Behera@kpit.com @ 8913-7711-7529

EC2 S3 EFS VPC RDS IAM Billing and Cost Management Simple Queue Service Simple Notification Service Elastic Beanstalk Lambda

### Amazon SNS

Dashboard Topics Subscriptions

▼ Mobile  
Push notifications  
Text messaging (SMS)  
Origination numbers

Type  
Standard

< Subscriptions Access policy Data protection policy Delivery policy (HTTP/S) Delivery sta >

#### Subscriptions (2)

Edit Delete Request confirmation Confirm subscription Create subscription

Search < 1 > ⚙

	ID	Endpoint	Status	Protocol
<input type="radio"/>	01aa4139-91d4-414...	vispudupse@gufum.c...	Confirmed	EMAIL
<input type="radio"/>	8aeb1954-75cb-40d...	lekkipukki@gufum.com	Confirmed	EMAIL

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Search

newoffersakashraj | Topics | AWS | AWS\_MARATHON\_219866 | Temp Mail - Temporary Email | Subscription confirm

https://us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/topic/arn:aws:sns:us-east-1:891377117529:newoffersakashraj

Gmail YouTube myWorld Dashboard | KPIT Te... Infosecurity ELearn... Email - Akash Beher... Object (Java Platfor... Association, Compo... is-a has-a use-a rel...

aws Services Search [Alt+S] N. Virginia Akash.Behera@kpit.com @ 8913-7711-7529

EC2 S3 EFS VPC RDS IAM Billing and Cost Management Simple Queue Service Simple Notification Service Elastic Beanstalk Lambda

### Amazon SNS

Dashboard Topics Subscriptions

▼ Mobile  
Push notifications  
Text messaging (SMS)  
Origination numbers

New Feature  
Amazon SNS now supports in-place message archiving and replay for FIFO topics. [Learn more](#)

Amazon SNS > Topics > newoffersakashraj

## newoffersakashraj

Edit Delete Publish message

#### Details

Name newoffersakashraj	Display name -
ARN arn:aws:sns:us-east-1:891377117529:newoffersakashraj	Topic owner 891377117529
Type Standard	

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Search

Visual Studio Code interface showing a Maven project structure and a web browser displaying a temporary email address.

**Visual Studio Code Explorer:**

- demo\_1
  - src
    - main \java \com \kpit
      - App.java
    - test
    - target
    - pom.xml

**Visual Studio Code pom.xml content:**

```
<?xml version="1.0" encoding="UTF-8" ?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.kpit</groupId>
  <artifactId>demo_1</artifactId>
  <version>1.0</version>
  <packaging>jar</packaging>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>
  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.compiler.source>17</maven.compiler.source>
    <maven.compiler.target>17</maven.compiler.target>
  </properties>
  <dependencies>
    <!-- https://mvnrepository.com/artifact/software.amazon.awssdk/sns -->
    <dependency>
      <groupId>software.amazon.awssdk</groupId>
      <artifactId>sns</artifactId>
      <version>2.25.3</version>
    </dependency>
  </dependencies>
  <build>
    <pluginManagement><!-- lock down plugins versions to avoid using Maven defaults (may be moved to parent pom) -->
```

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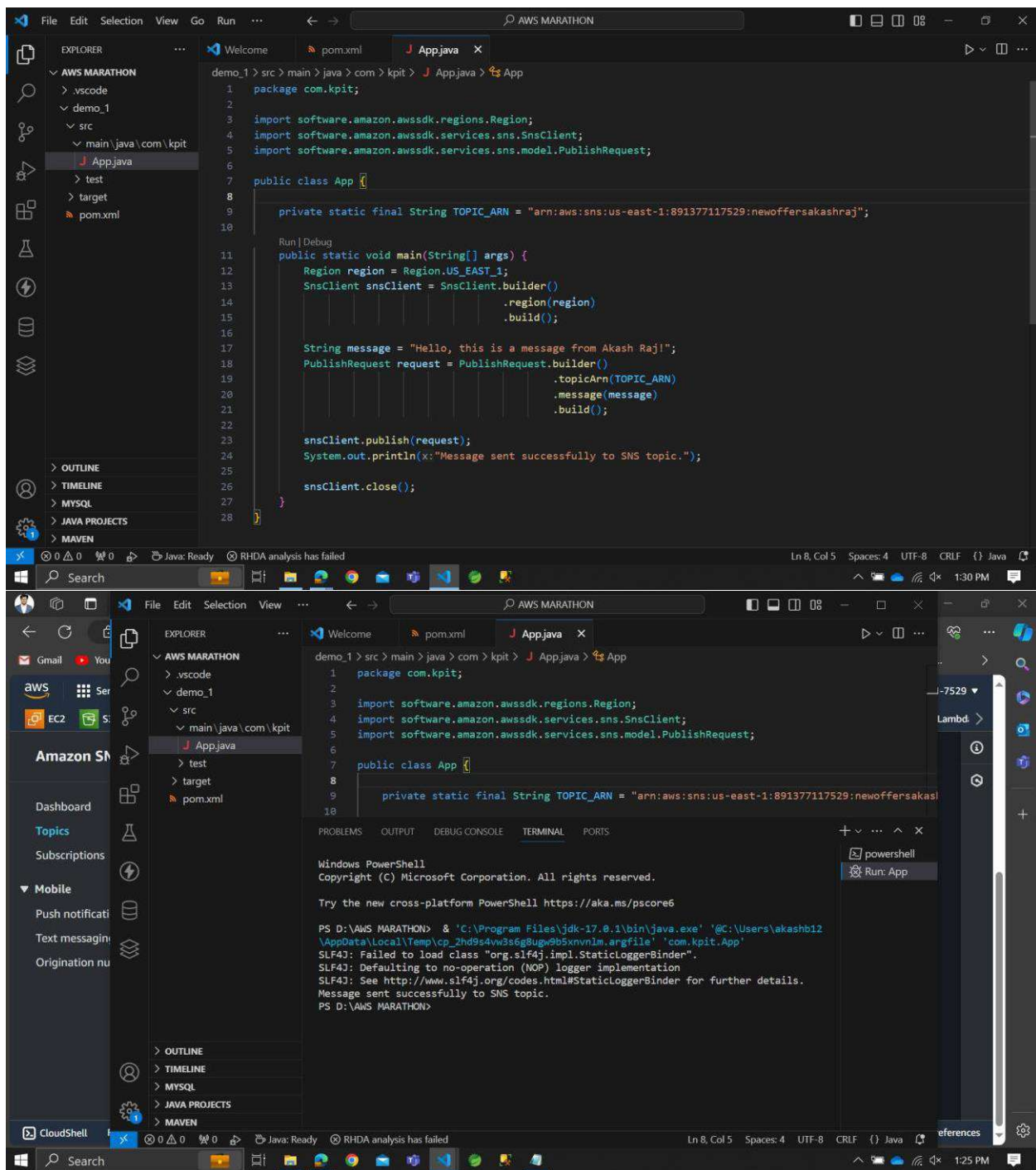
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0100018e36cbc64c-0bf22...	AWS Notification - Subscription Confirmation	

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## Chapter 6

### Performance Evaluation

The journey of learning and growth during an internship is a transformative experience. It provides a unique opportunity to apply theoretical knowledge in practical scenarios, thereby enhancing one's understanding and skills. This chapter, "Performance Evaluation," aims to provide a comprehensive review of my performance across various modules during my internship.

In the subsequent sections, I will present a detailed evaluation of my performance in each module. This evaluation is based on the assessments conducted during the internship. The aim is to reflect on my strengths, identify areas for improvement, and chart a path for future learning and growth.

### Genesis Module Assessment Score Sheet

Employee/Trainee Name: Akash Raj Behera

Emp ID: 219866



## 6.1 Java Scores

### Genesis Module Assessment Score Sheet

Employee/Trainee Name: Akash Raj Behera

Emp ID: 219866

#### Assessment Component-wise Score/Grade details:

Module Name: JAVA

Assessment	Absolute	Grade	Cumulative	Applicable
Components	score in %	Obtained	Scores	Grade Policy
AC1	85	A+	5	Grade Policy I (with 0.5 Negative markings)
AC2	85	A+		Grade Policy I (with 0.5 Negative markings)
AC3	70	A+		Grade Policy I (with 0.5 Negative markings)
AC4	88	A+		Grade policy 3 (code marathon)

Fig 6.1 - Scores on Java Module assessments

JAVA Cumulative Scores	JAVA Cumulative Grades
5	A+

Fig 6.2 - Cumulative score on Java Module

## 6.2 C++ (Basics) Scores

Module Name: CPP Basics

Assessment Components	Absolute score in %	Grade Obtained	Cumulative Scores	Applicable Grade Policy
AC1	40	A	2.7999999999999998	Grade Policy I (with 0.5 Negative markings)
AC2	50	A+		Grade Policy I (with 0.5 Negative markings)
AC3	13.33	C		Grade Policy I (with 0.5 Negative markings)
AC4	28.5	28.5		Grade policy 3 (code marathon)

Fig 6.3 - Scores on CPP Basics Module Assessments

CPP Basics Cumulative Scores	CPP Basics Cumulative Grades
2.7999999999999998	B

Fig 6.4 - Cumulative score on CPP Basics

## Cumulative CPP & Java

Programming Skills Cumulative (50% Java + 50% CPP Basics)	
Cumulative Scores	Cumulative Grades
3.8999999999999999	A

Fig 6.5 - Cumulative score on Java + CPP Basics

## 6.3 Angular Scores

Module Name: Angular

Assessment	Absolute	Grade	Cumulative	Applicable Grade Policy
Components	score in %	Obtained	Score	
AC1	95	A+	5	Grade Policy I (with 0.5 Negative markings)
AC2	70	A+		Grade Policy I (with 0.5 Negative markings)
AC3	90	A+		Grade policy 3(code marathon)

Fig 6.6 - Angular Module score

Angular	
Cumulative Scores	Cumulative Grades
5	A+

Fig 6.7 - Angular Cumulative score

## 6.4 AWS Scores

Module Name: AWS

Assessment Components	Absolute score in %	Grade Obtained	Cumulative Scores	Applicable Grade Policy
AC1	47.5	A+	5	Grade Policy I (with 0.5 Negative markings)
AC2	67.5	A+		Grade Policy I (with 0.5 Negative markings)
AC3	87.5	87.5		Grade Policy I (with 0.5 Negative markings)
AC4	100	A+		Grade Policy 3(Code Marathon)

Fig 6.8 - AWS Module score

AWS Cumulative	
Cumulative Scores	Cumulative Grades
5	A+

Fig 6.9 - AWS cumulative score

## 6.5 Data Modelling Scores

Module Name: Data Modelling

Assessment	Absolute	Grade	Cumulative	Applicable Grade Policy
Components	score in %	Obtained	Score	
AC1	100	A+	5	Grade Policy I (with 0.5 Negative markings)
AC2	100	A+		Grade Policy I (with 0.5 Negative markings)
AC3	96	A+		Grade policy 3(code marathon)

Fig 6.10 - Data Modelling Module score

Data Modelling	
Cumulative Scores	Cumulative Grades
5	A+

Fig 6.11 - Data Modelling Cumulative score

## Cumulative (Angular, Data Modelling & AWS)

Technology Skills (30% AWS + 40% Angular + 30% Data Modelling)	
Cumulative Scores	Cumulative Grades
5	A+

Fig 6.12 - Cumulative Angular, Data Modelling & AWS score

## 6.6 Personal Skill Development (PSD) Scores

Module Name: PSD

Employee/Trainee Name: Akash Raj Behera

Emp ID: 219866

### Assessment Component-wise Score/Grade details

PSD Modules	Percentage	Grade
Corporate Etiquette & its Fundamentals	<a href="#">86.67</a>	<a href="#">A</a>
Business English & Fundamentals of English Grammar	<a href="#">90</a>	<a href="#">A+</a>
Virtual Communication Etiquette: Interact with Confidence & Impact	<a href="#">67.5</a>	<a href="#">B</a>
Time Management Fundamentals: Do More, Stress Less	<a href="#">93.329999999999998</a>	<a href="#">A+</a>
Email Etiquette - Write More Effective Mails at Work	<a href="#">68.75</a>	<a href="#">B</a>

### Grade Calculation Guidelines :-

#### Grading Policy-II

Grade Point	Numeric Value	Absolute Grading Cut-off (PSD )
A+	5	90% <= Raw Score
A	4	80%<=Raw Score<89%
B	3	65%<=Raw Score<79%
C	2	40%<=Raw Score<64%
D	1	Raw Score<40%

Fig 6.13 - PSD Module score

## 6.7 Scrum – Agile Scores

Module Name: Agile

Assessment Components	Absolute score in %	Grade Obtained	Cumulative Grade	Applicable Grade Policy
AC1	81.670000000000002	A+	A+	Grade Policy I (with 0.5 Negative markings)

Process Cumulative (30% GIT + 70% Agile)	
Cumulative Scores	Cumulative Grades
5	A+

Fig 6.14 - Agile Module score

## 6.8 Git Scores

Module Name: GIT

Assessment Components	Absolute score in %	Grade Obtained	Cumulative Grade	Applicable Grade Policy
AC1	70	A+	A+	Grade Policy I (with 0.5 Negative markings)

Fig 6.15 - Git Module score

## 6.9 Automotive Scores

Module Name: Automotive Domain

Assessment	Absolute	Grade	Cumulative	Applicable Grade Policy
Components	score in %	Obtained	Scores	
AC1	70	A+	5	Grade Policy I (with 0.5 Negative markings)
AC2	82.5	A+		Grade Policy I (with 0.5 Negative markings)
Domain Skills				
Cumulative Scores	Cumulative Grades			
5	A+			

Fig 6.16 - Automotive Module score

## Grade Calculation Guidelines

\*Cumulative Grade and GPV mapping reference table

Cumulative Grade	GPV Cut-off
A+	4.3 – 5.0
A	3.5 – 4.2
B	2.7 – 3.4
C	1.9 – 2.6
D	0.0–1.8



## Grade Calculation Guidelines for individual assessment components

Grade Policy I (with 0.5 Negative Marking)		
Grade Point	Numeric Value	Absolute Grading
		Cut-off (with 0.5 Negative Marking)
A+	5	45% <= Raw Score
A	4	30%<=Raw Score<45%
B	3	20%<=Raw Score<30%
C	2	10%<=Raw Score<20%
D	1	Raw Score<10%

Grade Policy III (with 0.25 Negative marking)		
Grade Point	Numeric Value	Absolute Grading
		Cut-off (with 0.25 Negative Marking)
A+	5	60% <= Raw Score
A	4	50%<=Raw Score<60%
B	3	40%<=Raw Score<50%
C	2	30%<=Raw Score<40%
D	1	Raw Score<30%

Grade Policy IV		
Grade Point	Numeric Value	Absolute Grading
		Cut-off (Code Marathon)
A+	5	60% <= Raw Score
A	4	40%<=Raw Score<60%
B	3	30%<=Raw Score<40%
C	2	20%<=Raw Score<30%%
D	1	Raw Score<20%

## Chapter 7

### Certification

Certifications are an integral part of professional development, serving as a validation of the skills and knowledge acquired during an educational or training period. This chapter, “Certification,” focuses on Professional Email writing certification that I earned during my internship.

The Professional Email writing certification is a globally recognized credential. Professional email writing offers several benefits in the workplace. It enhances communication clarity, maintains a professional image, fosters effective collaboration, ensures information accuracy, and helps in building strong relationships with clients and colleagues.



Fig 7.1 – Professional Email Writing Certification

Scrum Developer Certified is a foundation certification for software developers working in or with a Scrum team. The objective of this certification course is to make sure that the candidates get enough knowledge to effectively contribute to a Scrum project.

Scrum Developer Certified course alumni have demonstrated that they have a thorough understanding of Scrum principles, and have learned to apply and make use of the specialized Agile engineering skills. The goal is to expose students to the most important tools and techniques needed to build good and practical software in the iterative and incremental fashion that Scrum requires. These ideas are central to the entire field of Agile software development.



Fig 7.2- Scrum Developer Certification

## **Chapter 8**

### **Conclusion & Future Scope**

The conclusion of an internship marks the culmination of a journey filled with learning, growth, and transformation. This chapter, “Conclusion & Future Scope,” aims to encapsulate the experiences, learnings, and the path that lies ahead.

#### **8.1 Conclusion**

During my internship, I had the chance to delve deep into various technical and non-technical modules. Each module, be it Java, SQL, Angular, AWS, C++, Personal Skill Development (PSD), Scrum, Git, or Automotive, contributed significantly to my professional development. The hands-on experience gained from working on real-world scenarios has not only enhanced my understanding of these subjects but also equipped me with the skills necessary to tackle complex problems. The Scrum Agile certification, earned through an Udemy course, was a notable achievement during this period. It fortified my understanding of project management principles and Agile methodologies, preparing me for future roles in dynamic work environments.

#### **8.2 Future Scope**

Looking ahead, the skills and knowledge acquired during this internship have laid a strong foundation for my future endeavors. The practical exposure to various technologies and methodologies has broadened my perspective and opened new avenues for exploration.

In the future, I intend to build upon this foundation, continuously learning and adapting to the ever-evolving field of software development. I am particularly interested in exploring more about cloud technologies and machine learning, areas that are revolutionizing the tech industry.

In conclusion, this internship has been a significant milestone in my professional journey.

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