

# SAKSHAM GUPTA

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## EDUCATION

### Bachelor of Engineering, Computer Science Engineering

Model Institute of Engineering and Technology (MIET)  
8/10 CGPA

Dec 2022 - Expected July 2026

Jammu, India

### Secondary School, PCM

Vidhya Mandir Competitive Higher Secondary School (VMCHSS)  
9.4/10 CGPA

Mar 2021 - Mar 2022

Jammu, India

### Matriculation

K C Public School (Jammu)  
8.6/10 CGPA

Mar 2019 - Mar 2020

Jammu, India

## WORK EXPERIENCE

### C++ Training/Internship, Programming Pathshala

Aug 2023-Sept 2023

- Learned valuable insights about object oriented programming (OOP) and its applications.
- Regular Assessments about real world problems.
- Received the certificate of excellence for my performance.

### C++ Summer Internship/Training, MIET (Jammu)

July 2024-Aug2024

- Developed DSA problem solving skills and gained experience in coding.
- Practiced Leetcode and HackerRank problems.
- Participated in Mock interview and viva session to improve my interview skills

## PROJECTS

### Student Report Generator, UI Path (RPA Automation)

[Source Code](#)

**Description:** Bot used to automatically generate report cards of students

**Technologies:** UiPath, Excel Automation, Email Automation

**Key Features:** Automated creation of report cards, Files saving in folder, sending report card as attachment via Gmail to student

**Learning:** Gained experience in automation, learned about email automation

### ATM Machine, Python with its Libraries

[Source Code](#)

**Description:** allows users to create accounts, log in, perform balance inquiries, account deletion functionality and email notifications for transactions.

**Technologies:** Python, os, time, random, smtplib, PIL, pygame, colorama

**Key Features:** Implement an account management system with the following features: account creation with initial balance and email notification, account login with PIN validation and limited attempts, balance inquiry, deposit and withdrawal operations with email notifications, and OTP generation and email-based login for minors.

**Learning:**

- How to manage file operations for storing and retrieving account data
- Sending emails using the smtplib module and EmailMessage class

### Research Paper (Booth Algorithm Vs Vedic Algorithm)

[Research Paper Link](#)

- It focusses on the performance and accuracy of both the algorithms along with their time and space complexities
- Practical Considerations are measured and compared between both algorithms
- It focusses on the bit wise performances of both the algorithms to measure the performance of these algorithms in various parameters

## SKILLS

**Programming Languages:** C/C++, Python, SQL, UI Path (Robotic Process Automation)

**Developer Tools:** Visual Studio Code

**Database Management:** MySQL