

# SUMONA BANERJEE

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## EDUCATION

### University of Engineering and Management, Jaipur

B.Tech. in Computer Science and Engineering (A.I.M.L) - CGPA: 7.6

2021–2025

Jaipur, Rajasthan

### Kendriya Vidyalaya HPCL, Jagiroad

Class 12<sup>th</sup> - Percentage- 80%

2020–2021

Jagiroad, Assam

## PROFESSIONAL EXPERIENCE

### Requin Solutions Private Ltd.

Jaipur, Rajasthan

#### Technical Researcher Intern

Dec 2023–Jun 2024

- **Application Development Planning:** Created high-fidelity and low-fidelity prototypes, managed resources, and followed Agile SDLC practices.
- **Project Management Planning:** Developed Gantt charts and time schedules, facilitated sprint reviews, and applied lean canvas principles.
- **AI Research:** Conducted strategic research on AI implementation and addressed compliance and safety concerns.

#### Python Developer

Jul 2024 – Jan 2025

- **Python Development:** Built multiple models tailored to client requirements with a focus on efficiency and performance.
- **Code Debugging:** Identified and resolved critical defects and vulnerabilities in code, enhancing software stability and security.

## PROJECTS

### Hostel Incident Management System 🔄

- Developed a web-based platform using HTML, CSS, MySQL, and PHP for managing student and warden incident reports.
- Implemented role-based authentication and dashboards for students, wardens, chief warden, registrar. Designed a workflow for incident creation, approval and fine payment tracking.

### Audiobook Creation 🔄

- Developed a Python script to convert PDFs into audiobooks using text-to-speech.

### TechHub (Front-End Prototype) 🔄

- Built UI using HTML, CSS, JavaScript, and PHP for a developer community hub.

### Human Detection (OpenCV) 🔄

- Implemented real-time face detection tool using OpenCV.

### Face Attendance System 🔄

- An automated attendance system that leverages facial recognition technology.

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, HTML, CSS, PHP, MySQL

**Web Development:** HTML, CSS, PHP, JavaScript

**AI & Machine Learning:** TensorFlow, OpenCV, Pandas, NumPy, Supervised/Unsupervised Learning, NLP

**Tools & Technologies:** GitHub, Agile, SDLC, Gantt Charts, Speech Recognition

**Core Subjects:** DSA, OOP, Operating Systems, DBMS, Computer Networks

## CERTIFICATIONS AND ASSESSMENTS

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• Oracle Cloud Infrastructure 2023 AI Certified Foundations Associate	<i>Oracle -2023</i>
• Introduction to Digital Marketing	<i>Infosys – 2025</i>
• Data Analytics & Visualization Job Simulation	<i>Accenture-2025</i>
• Python for Data Science	<i>IIT Madras -2023</i>
• Real Time Operating System	<i>IIT Madras - 2025</i>
• AWS Academy Cloud Foundations	<i>Amazon Web Services -2023</i>
• AWS Academy Machine Learning Foundations	<i>Amazon Web Services -2023</i>
• AI for Beginners	<i>HP LIFE - 2024</i>
• Hacker Rank Skill Certificates for CSS, Python (Basic)	<i>Hacker Rank -2023</i>
• The Joy of Computing Using Python	<i>IIT Madras -2022</i>
• Social Networks	<i>IIT Madras -2022</i>
• AMCAT	<i>2025</i>
○ Overall: 95.5 Percentile	
• TCS NQT	<i>2025</i>
○ Cognitive Skills: 71.9%	
○ Advanced Cognitive: 80.74%	
○ Programming: 68.15%	
• CoCubes	<i>2025</i>
○ Overall: 530 score (78 Percentile)	

## LANGUAGES

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English, Hindi, Bengali, Assamese