

Shaptak Naskar

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EDUCATION

Greater Kolkata College of Engineering and Management
Bachelor of Technology – Computer Science; GPA: 7.20
Engineering Institute for Junior Executives
Diploma – Electronics and Telecommunication; GPA: 7.80

Kolkata, India
August 2022 - July 2025
Kolkata, India
June 2019 - August 2022

SKILLS SUMMARY

- **Languages:** Python, Batch, PowerShell, JavaScript, HTML
- **Frameworks:** BeautifulSoup, Google API Client, Groq API, Playwright, python-docx
- **Tools:** Android Debug Bridge, Telegram, SQLite, Excel, PowerPoint
- **Platforms:** Visual Studio Code, Notepad++, Windows, Linux
- **Soft Skills:** Analytical Thinking, Detail Driven Execution, Technical Learning Agility, Self-Directed Learning

WORK EXPERIENCE

AI Ops & Automation Intern | MindEdge Solutions

October 2025

- Developed AI automations for email-to-personalized brochure conversion, streamlining lead generation.
- Created business card scanning utilities to vCard format, improving contact management efficiency.
- Collaborated on email processing pipelines, reducing manual client engagement intervention.
- Optimized scripts for minimal downtime in production environments.

PROJECTS

Email Listener & Brochure Generator | [LINK](#)

November 2025

- Designed a portable, AI-driven system with Gmail OAuth and Telegram bot integrations to trigger brochure automation from incoming emails, using modular Python components for easy extension.
- Leveraged Groq and Leonardo AI to generate personalized content and render HTML templates into PDFs, enabling instant, dynamic client responses at scale.
- Automated end-to-end replies with PDF attachments and buffered Telegram notifications, while tracking leads in CSV for compliance, enhancing client engagement without human intervention.
- Promoted reusability by stripping company-specific logic, with extensible features like logging/analytics and multi-format support, boosting response speed and conversion potential by 70%.

Automated Email Processing Pipeline | [LINK](#)

October 2025

- Built a modular Python pipeline using Gmail API to poll inboxes every 15 seconds, filter qualified leads via keyword validation, and scrape websites for AI-personalized content generation.
- Integrated LLaMA 3.1 for dynamic DOCX template population with company summaries and service blurbs, converting to branded PDFs via LibreOffice, cutting manual brochure creation time by 80%.
- Automated end-to-end replies with PDF attachments and buffered Telegram notifications, while tracking leads in CSV for compliance, enhancing client engagement without human intervention.
- Ensured secure, scalable operations with OAuth token persistence, error logging, and rate limiting, supporting high-volume outreach while maintaining GDPR/CAN-SPAM best practices

Business Card to vCard Converter | [LINK](#)

October 2025

- Engineered a client-side HTML/JavaScript application leveraging OpenAI's GPT-4o-mini for OCR-based extraction of contact details from business card images, enabling seamless vCard (.vcf) generation for cross-device imports.
- Integrated webcam capture via getUserMedia and file upload with Base64 encoding for direct API submission, supporting real-time photo processing and editable preview fields to boost accuracy by allowing user corrections before export.
- Delivered a portable, no-server solution with comprehensive README for setup and troubleshooting, minimizing manual contact entry time from minutes to seconds while ensuring privacy via ephemeral image processing and low-cost scalability at ~\$0.01 per scan.

CERTIFICATES

30-hour Cyber Security Training (Ardent Computech PVT. LTD)

March 2024

- Acquired experience in threat detection, encryption, and secure networks.
- Acquired expertise real-world vulnerability mitigation.

30-hour AI & ML with Python Training (Ardent Computech PVT. LTD)

March 2024

- Mastered the fundamentals of data processing, model training/deployment.
- Did projects in automation/predictive analytics with NumPy/scikit-learn.

10-week Cybersecurity Virtual Internship (AICTE)

February 2023

- Introduced to Hands-on ethical hacking, firewall configuration and appropriate incident response.
- Acquired the fundamentals of enterprise cybersecurity tools and practices