

Harsh Gupta

7453957724 | harshgupta.cfa@gmail.com | linkedin.com/in/harsh-gupta-019b4a247 | github.com/HarshGcode | Agra, Uttar Pradesh, India

PROFESSIONAL SUMMARY

BCA student with hands-on experience building ETL pipelines, agentic AI systems, and full-stack web applications. Proficient in Python, React.js, PostgreSQL, and automation frameworks. Passionate about ML/AI and seeking a software engineering role to solve real-world problems with scalable, data-driven solutions.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), SQL, HTML5, CSS3, C++
ML / AI: Scikit-Learn, TensorFlow, PyTorch, OpenAI API, NLP, Agentic Workflows
Web Frameworks: React.js, Node.js, Express.js, FastAPI, Streamlit
Databases: PostgreSQL, MongoDB, Supabase, Elasticsearch
Tools & Platforms: Git, Docker, Postman, n8n, Make.com, Vercel, Jupyter Notebook
Concepts: ETL Pipelines, REST APIs, Machine Learning, Deep Learning, Automation, CI/CD

EXPERIENCE

Software Development Intern Jan 2025 – Present
HomeLane Bengaluru, Karnataka

- Developed Python scripts for web scraping and automated data extraction, reducing manual effort by **40%**.
- Designed and deployed **15+ automation workflows** using n8n and Make.com, streamlining core business operations.
- Managed and optimized **PostgreSQL** datasets with advanced queries to support real-time data reporting pipelines.
- Built a dynamic **React.js multi-step form** integrated with backend APIs for improved user data capture accuracy.
- Debugged and maintained **Streamlit** dashboards used by internal teams for business intelligence and visualization.
- Collaborated with cross-functional engineering teams to refine business logic and improve overall system reliability.

PROJECTS

GU Connect – Student Networking Platform | *Python, Streamlit, PostgreSQL* | GitHub

- Developed a responsive student networking platform enabling peer connections, project collaboration, and resource sharing.
- Built interactive UI using **Streamlit** with a **Python** backend handling sessions, matching logic, and data management.

Vendor Smart Hub – Financial Inclusion Platform | *React.js, FastAPI, MongoDB* | GitHub

- Built a full-stack financial tracking platform for rural vendors with a **FastAPI** backend and MongoDB data layer.
- Designed a **React.js** dashboard for real-time income, expense, and transaction visualization for financial inclusion.
- Implemented secure role-based user authentication and access control to protect sensitive vendor financial data.

Antique Notes & Coins Collection Website | *React.js, Supabase, JavaScript, Vercel* | GitHub

- Developed a full-stack showcase website for antique Indian currency business (M L & Sons) using React.js and Supabase.
- Deployed on **Vercel** with custom domain **mlandsons.in**, automatic SSL, and real-time backend via Supabase.

SmartJob ETL & Notification System | *Python, n8n, PostgreSQL, REST APIs* | GitHub

- Architected an end-to-end ETL pipeline using n8n to aggregate job listings from multiple sources via the JSearch API.
- Implemented automated data cleaning and deduplication logic, improving overall data quality by **60%**.
- Built real-time notification workflows that delivered filtered, personalized job alerts to **50+ users** daily via email.

ColorFlow Agentic AI System | *Python, OpenAI API, Telegram Bot API, n8n* | GitHub

- Designed and deployed a multi-agent AI system integrated with a **Telegram bot** for conversational task execution.
- Integrated **OpenAI GPT-4o** and Whisper APIs for natural language understanding and voice message transcription.
- Achieved sub-3-second response latency by optimizing async API call orchestration and multi-step reasoning workflows.

CERTIFICATIONS

Learn C++ Course – Codecademy (Aug 2024)
Python Certificate – Programming Fundamentals and Applied Scripting
Certificate of Appreciation – IEEE Young Minds (ICCSAI), International Conference on Communication, Security and Artificial Intelligence

EDUCATION

Galgotias University Greater Noida, Uttar Pradesh
Bachelor of Computer Applications (BCA) | CGPA: 8.0+ / 10.0 Aug 2022 – Aug 2026

St. Andrew's School Agra, Uttar Pradesh
Class XII – CBSE | Percentage: 85% 2022