

Saar Agrawal

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EDUCATION

Delhi Technological University (Formerly DCE)

Bachelor of Technology in Information Technology | CGPA: 8.45

New Delhi, India

May 2021 - May 2025

Brahma Shakti Public School

CBSE (Class XII) | Aggregate: 76%

New Delhi, India

May 2020 - May 2021

EXPERIENCE

SDE Intern, Sellermate.Ai | Flask, React, AWS, MongoDB

Jan 2025 - July 2025

- Built **keyword heatmap** feature; optimized **MongoDB aggregations** to cut daily sync volume from **13M→2M** and historical data from **300M→55M**, boosting query speed via automated pipelines
- Automated **report generation** via **AWS Lambda**, achieving **100% manual effort reduction** for 1K+ clients and implementing **health-check scripts** for server monitoring
- Redesigned **user-workspace architecture** using **MongoDB collections**, eliminating redundancy
- Redesigned sidebar UI** for improved user navigation and integrated **Amazon Catalog API** to extract and sync real-time product data for **4M+ catalog items**, enabling accurate daily reporting
- Delivered **seller-facing improvements**: added **Total Row** to premium DataGrid tables for analytics clarity

SWE Intern, Intaligen | React, Vite, Netlify, ReactFlow

May 2024 - July 2024

- Designed and implemented the *Advanced Planning and Scheduling Console* using client-side rendering, achieving a **200ms Time to First Byte (TTFB)** for optimal performance
- Reduced API latency** by **25%**, leading to a **30% faster load time** and improved application responsiveness
- Engineered **authentication solutions** with efficient state management, enhancing security and scalability
- Collaborated on RESTful API-based **microservices design**, ensuring scalable and fault-tolerant operations

PROJECTS

AskFinance | ReactJS, FastAPI, Netlify, Render, Tailwind CSS | Deployed App

- Developed a scalable Q&A platform with seamless user authentication, achieving **95%** adoption through **Google OAuth** integration
- Optimized platform performance by implementing efficient search, filtering, and admin moderation, reducing API response time by **30%**
- Deployed frontend and backend with Netlify and Render, achieving Good uptime and supporting **100+** concurrent users seamlessly

FashionMatch | AI, Machine Learning, NLP, Python

- Developed an **AI-driven** fashion recommendation system using **ResNet50**, **NLP** and web scraping
- Created preprocessing pipelines with TF-IDF and scraped data from Pinterest
- 25%** conversion upswing, **30%** higher order value and **45%** boost in customer engagement

TECHNICAL SKILLS

Languages : C/C++, JavaScript, HTML/CSS, Python, MongoDB

Frameworks & Libraries : ReactJs, Flask, Material-UI, Bootstrap, Vite

Developer Tools : Git, Visual Studio, Postman, MySQL, CursorAi

CS Fundamentals : Data Structures and Algorithms, Object Oriented Programming, Database Management systems

ACHIEVEMENTS AND CERTIFICATIONS

- Secured **All India Rank 8844** in **JEE Mains 2021**, among 1,000,000+ applicants across country conducted by NTA
- Semi finalist in Flipkart's Hackathon - **Flipkart GRiD 5.0**
- Completed over more than 500 coding question on various platform like Leetcode, Codeforces, Codechef, etc
- Earned Certification in **Google Cloud** Career Practitioners Program

POSITIONS OF RESPONSIBILITY

Tech Lead, Gdsc-dtu

August 2023 - July 2024

- Organized Flutter Forward and Solution Challenge Tech Talk, drawing **200+** participants for tech community engagement
- Managed logistics and coordinated with **10+** speakers, ensuring the successful execution seminars
- Coordinated Android Jam Compose Camp, boosting community involvement with **100+** participants