Aryan Sehgal

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PROFESSIONAL SUMMARY

Results-driven BCA student specializing in Full-Stack Development and AI Integration. Proficient in MERN Stack, RESTful APIs, MongoDB optimization, and integrating LLMs (Groq Llama 3.3, Gemini API). 175+ DSA problems solved. Seeking SDE roles to build scalable web and AI-driven solutions.

TECHNICAL SKILLS

Languages: Java, JavaScript (ES6+), SQL
Web: React.js, Node.js, Express.js, HTML5/CSS3, Tailwind CSS, RESTful APIs
Databases: MongoDB (Mongoose), Atlas, Indexing, TTL
AI/ML: Groq API (Llama 3.3 70B), Gemini API, Prompt Engineering
Security: JWT, BCrypt.js, RBAC
Tools: Git/GitHub, Postman, Vercel, Render, VS Code
Others: Recharts, Axios, Web Workers, PDF.js, MVC, Agile

EDUCATION

DIT University   Dehradun, Uttarakhand
Bachelor of Computer Applications (BCA); CGPA: 8.65/10   *Expected July 2026*
- Relevant Coursework: Data Structures & Algorithms, DBMS, OOP, Operating Systems, Full-Stack Development, Python, Data Science, Cloud Computing

Uttarakhand Board
Class XII: 75.4% | Class X: 82.2%   *2023*

PROJECTS

AI-Powered Expense Tracker | *MERN, Groq API, MongoDB, JWT, Recharts* | GitHub
- Built full-stack app with RESTful APIs (8+ endpoints) and MVC architecture.
- Integrated Groq Llama 3.3 70B with MongoDB conversation memory (TTL indexes) – 10x faster inference.
- Context-aware AI chatbot analyzing transactions for personalized advice (85% less generic).
- Interactive Recharts dashboard for income/expense trends and breakdowns.
- Secure JWT auth + MongoDB indexing (60% faster queries).

AI Resume Analyzer & ATS Scanner | *React, Groq API, Tailwind, PDF.js, Web Workers* | GitHub
- ATS scanner using Groq Llama 3.3 70B for semantic analysis and skill-gap detection.
- Client-side PDF parsing with PDF.js + Web Workers (90% latency reduction).
- JSON validation + recovery for 98% response reliability.
- Prompt optimization reduced token usage by 40%.

Hotel Booking Management System | *Node.js, Express, MongoDB, EJS, SendGrid* | GitHub
- Full-stack platform with RBAC and JWT-based Admin/User auth.
- Dynamic Admin dashboard for room/booking CRUD operations.
- 12+ RESTful endpoints + SendGrid email notifications (99.5% delivery).

ACHIEVEMENTS

DSA: 175+ problems solved (LeetCode, Takeuforward)
SQL: 50+ problems on LeetCode – JOINs, subqueries, window functions.
Projects: 3+ deployed full-stack applications.

ADDITIONAL INFORMATION

Soft Skills: Problem-Solving, Analytical Thinking, Team Collaboration
Languages: English, Hindi (Native)