

ALOK SINGH

SOFTWARE DEVELOPER



PROFILE

IIT (BHU) Electrical Engineering graduate (CGPA 8.69) with strong experience in backend development, scalable APIs, and full-stack applications. Skilled in Python, C/C++, JavaScript, FastAPI, Node.js, Vue.js, React.js, and PostgreSQL. Experienced in designing production-grade APIs, scaling PostgreSQL, and integrating LLMs/multimodal AI models into real-world applications. Passionate about building AI-powered, high-performance systems that solve real-world problems.



WORK EXPERIENCE

ITAkash Software Pvt. Ltd

Aug 2024 - Present

Associate Software Developer

- Designed and built backend APIs in Python and Java, ensuring **scalability**, low latency, and high availability.
- Optimized PostgreSQL** queries, schema design, and indexing, improving system performance and scalability for high-traffic ERP modules.
- Integrated AI models (Gemini AI, Claude, OpenAI) for automation, intelligent data extraction, and diagnostics, enhancing decision-making and operational efficiency.
- Implemented AI-powered monitoring and telemetry to proactively improve service health and reliability.
- Technologies Used:** Python, Java, JavaScript, PostgreSQL, AI(eg. Gemini AI, Claude, OpenAI)



PROJECT

MatchPatrol: AI-Powered Job Matching Platform [Link](#) Feb - July 2025

- Developed AI-powered job matching platform capable of scraping and processing 1,000+ job sites daily with 95%+ accuracy.
- Implemented FastAPI and Node.js backend APIs, handling concurrent requests and real-time synchronization at scale.
- Built AI algorithms leveraging LLMs for skills, experience, and education matching, improving job relevance by 40%.
- Deployed scalable system with PostgreSQL, Firebase Auth, and automated job scheduling pipelines.
- Technologies Used:** Python, FastAPI, Node.js, PostgreSQL, Playwright, Gemini AI, Firebase, JavaScript, Tailwind CSS



EDUCATION

Bachelor of Technology, Electrical Engineering

2020 - 2024

IIT (BHU) Varanasi

CGPA: 8.69 / 10.0

CONTACT

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SKILLS

- C/C++
- JavaScript
- HTML, CSS,
- Java (Basic),
- Python
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking
- Data Structures & Algorithms,
- Problem Solving
- OOP
- Go (basic)

LANGUAGES

- English (Fluent)
- Hindi (Native)