PARTH TIWARI

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OBJECTIVE

Aspiring Software Engineer with strong AI, backend, and full-stack experience, seeking impactful roles to build intelligent, scalable, and secure systems.

EDUCATION

Chandigarh University, Bachelor Of Engineering in Computer Science, CGPA (7.76) 2021–2025

SKILLS

Languages	C/C++, Python, Java, JavaScript,
Frameworks & Tools	React.js, Express.js, Node.js, Spring Boot, Flask, FastAPI
Database	Oracle, MongoDB, SQL/MySQL
DevOps & CI/CD	Git/GitHub, GitLab, Postman, GCP (Google Cloud Platform), Docker
AI	gentAI, OpenAI Agents SDK, LangGraph, LangChain

EXPERIENCE

Smarter.Codes July 2025 – Present
Full Stack Developer

- Enhanced Algil Marketplace dashboard using React.js and **FastAPI (Python)**, improving UI responsiveness and backend scalability across merchant tools.
- Contributed to the **AutoMapping** module, optimizing data integration workflows and reducing manual mapping errors by 40%.
- Supported AI-driven tools like **AgileWriter** and implemented Docker-based deployments for containerized, automated CI/CD delivery on cloud infrastructure.

Jungleworks May 2025 – June 2025
Associate Software Developer Intern

- Optimized frontend performance using React DevTools, Chrome Lighthouse, and Redux refactoring, improving load speed and responsiveness by 30%.
- Enhanced backend APIs by refining Express.js middleware and MongoDB indexing, reducing response latency significantly.

Zeal Web Technologies June 2024 – May 2025
Software Developer Intern

- Developed scalable web applications using Node.js, Express.js, and React.js, improving feature delivery speed and user interface performance.
- Built RESTful APIs, optimized MongoDB queries, and integrated responsive UI components to enhance functionality and maintainability across client projects.

PROJECTS

College Recommendation System *React.js, Node.js, Express.js, MongoDB, Tailwind CSS*

- Built a high-accuracy (99%) recommendation system using React.js, Node.js, and MongoDB Atlas to suggest government colleges based on JEE ranks.
- Designed a responsive Tailwind UI with real-time search, filtering, and ranking via optimized REST APIs for dynamic college recommendations.

Agentic AI Research Assistant *CrewAI, LangGraph, OpenAI SDK, FastAPI, Weaviate, React.js, TailwindCSS*

- Developed a sophisticated multi-agent research system with specialized agents (**Researcher, Summarizer, Validator, Presenter**) for autonomous data gathering and fact-checking using advanced AI orchestration.
- Implemented LangGraph-based workflow orchestration, Weaviate vector store for semantic retrieval, and real-time SSE streaming for interactive conversational responses.

EXTRA-CURRICULAR ACTIVITIES

- Completed **J.P. Morgan Software Engineering Virtual Experience (Forage)** – Simulated real-world engineering tasks to visualize live financial data.
- **Runner-up, HP Power Hackathon (Unstop)** – Proposed an AI-assisted green energy optimization solution for sustainable industrial power usage.