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Gurugram, Haryana

Sarthak Mittal

Backend Software Engineer

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WORK EXPERIENCE

CareCoin Technologies (CarePay) - Fintech Startup

Gurgaon, Haryana

Backend Engineer

September 2025 – Present

- Built backend systems for lead management platforms, enabling processing of **200 applications per day**.
- Developed and integrated **500+ production REST API endpoints** supporting customer onboarding, loan processing, and document management workflows.
- **Reduced API response times by 40%** by optimizing PostgreSQL queries and adding database indexes.
- Developed an **AI-based user workflow using RAG** to simplify the end-to-end loan application journey.
- Onboarded and integrated **2 NBFCs including Poonawalla Fincorp and Findoc**, into the loan-processing.
- **Automated 4+ recurring operational** workflows, reducing manual effort for daily backend operations.
- **Stack:** Java, Spring Boot, Python, LangChain, PostgreSQL, AWS S3, Docker, Git, Postman.

Vasudhaiva Kutumbakam Group (Leverage Edu) - Ed-tech Startup

Noida, Uttar Pradesh

Backend Engineer

January 2025 – August 2025

- Developed and maintained REST APIs and backend services supporting 2 internal business operations teams.
- **Resolved 150+ production issues** across APIs, database queries, and application workflows, improving system stability and reducing recurring defects.
- Collaborated with product and QA teams to design, implement, and test REST API integrations for new features.
- **Stack:** Node.js, Express.js, React.js, MongoDB, Git, Postman.

PROJECTS

AI Contract Intelligence Platform

January 2026 – April 2026

Java, Spring Boot, PostgreSQL, Google Gemini, REST APIs

- Built a contract intelligence platform that analyzes PDF/DOCX documents to summarize contracts, extract clauses, identify potential risks, compare documents, and support semantic Q&A.
- Developed an AI-powered contract analysis backend using Spring Boot, PostgreSQL, and Google Gemini for RAG chat, semantic search, and automated legal document analysis.
- Built asynchronous PDF/DOCX ingestion with embedding storage and HNSW-based vector indexing for contract Q&A and cross-document retrieval.

AI Interview Simulator

August 2024 – December 2024

MongoDB, Express.js, React.js, Node.js, LLM APIs

- Developed an AI-driven mock interview platform using Node.js, Express.js, MongoDB, and React.js, integrating LLM APIs for dynamic question generation, contextual answer evaluation, and automated interview scoring.
- Built a real-time interview analysis pipeline with LLM-based response evaluation with facial-expression analysis.

SKILLS

- **Languages:** Java, Python, JavaScript, SQL.
- **Backend:** Spring Boot, Spring MVC, Node.js, Hibernate, REST APIs, Microservices, JWT, OAuth 2.0, Maven.
- **Frontend:** ReactJS, JavaScript, HTML, CSS.
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, Database Design, Query Optimization, Indexing.
- **AI & LLM:** LLM APIs, Google Gemini, LangChain4j, RAG, Vector Search, AI Workflow Automation.
- **Cloud & DevOps:** AWS (EC2, S3, RDS), Docker, CI/CD, Linux, Supabase.
- **AI & Automation Tools:** Cursor, Claude Code, GitHub Copilot, ChatGPT, n8n, Zapier.
- **Tools:** Git, GitHub, Bitbucket, Postman, IntelliJ IDEA, Jira.

EDUCATION

Thapar Institute of Engineering and Technology

Patiala, Punjab

Master of Computer Applications, CGPA: 8.6/10.0

July 2023 – May 2025

Maharishi Markandeshwar

Mullana, Haryana

Bachelor of Computer Applications, CGPA: 9.45/10.0

August 2020 – May 2023