

Preet Singh

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EDUCATION

Arka Jain University

Bachelor of Technology in Computer Science, Minor in Business

Jamshedpur, Jharkhand

Aug. 2022 – April 2026

EXPERIENCE

Front-End Intern

TechMantra Global

May 2024 – July 2024

Delhi (Remote)

- Built a dynamic stock analysis dashboard using React, fetching real-time financial data from APIs.
- Implemented candlestick charts using ApexCharts to visualize trends and improve user comprehension.
- Enhanced UI performance by 40% through component-level optimization and code splitting.
- Applied strong analytical thinking to debug data flow and improve user experience.

Web Developer Intern

Agentic (Early-Stage AI Startup)

Oct 2024 – May 2025

Jamshedpur (Hybrid)

- Developed full-stack features using React, Node.js, and Express for internal AI tools.
- Built Retrieval-Augmented Generation (RAG) components using LangChain and integrated Gemini API.
- Reduced API response time by 30% via performance tuning and caching strategies.
- Used GitHub Copilot and collaborated via GitHub with a distributed team; maintained extensive documentation.

PROJECTS

PDF-RAG | Next.js, Node.js, Qdrant, Redis, LangChain, Tailwind CSS

GitHub Link

- * Built a full-stack AI-powered PDF assistant enabling natural language queries over documents using LangChain
- * Developed frontend using Next.js and Tailwind CSS, backend with Node.js and LangChain for vector embedding
- * Used BullMQ and Redis for background job processing; handled 100+ documents with reduced latency
- * Integrated Google Gemini API for response generation, maintaining robust prompt handling and fallback logic
- * Documented architecture and workflows to support remote team collaboration

Qezee | React, Redux, Sass, MongoDB, Node.js

Live Link

- * Built the frontend of a quiz platform with features like test creation, scheduling, performance analytics, and leaderboards
- * Translated Figma UI designs into responsive, production-ready React components using Redux and Sass
- * Collaborated remotely with a distributed backend team using GitHub and async communication tools
- * Focused on delivering a clean, intuitive user experience while maintaining reusable and well-documented code

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (PostgreSQL, MySQL), JavaScript, HTML/CSS, R

Frameworks: React, Next.js, Node.js, Express.js, Redux, Material-UI, Tailwind CSS

AI & Libraries: LangChain, Google Gemini API, pandas, NumPy, Matplotlib

Databases & Caching: MongoDB, Redis, Qdrant (Vector DB)

Developer Tools: Git, GitHub, Docker, VSCode, Postman, Chrome DevTools

Others: BullMQ (Redis Queue), Webpack, JSON, API integration, AI-assisted tools (GitHub Copilot, Cursor, Windsurf, Bolt, Lovable)

ACHIEVEMENTS

Winner, Technika 2k23 Hackathon — secured 1st position among teams from 20+ colleges.

Technical Lead, GDG On Campus Jamshedpur — led workshops and initiatives on web development and AI tools.