

VIBHU PANDEY

Full Stack Developer • Generative AI Enthusiast

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Summary Of Qualifications

- Versatile Software Engineer with proficiency in Go, Node.js, React, and Generative AI frameworks.
- Hands-on experience designing and deploying Retrieval-Augmented Generation (RAG) systems using LangChain and large language models.
- Skilled in prompt engineering, vector databases (e.g., Qdrant), and integrating DeepSeep models for domain-specific applications.
- Demonstrated success in full-stack development, automation, and cross-functional team collaboration.

Professional Experience

Telaverge Communications

Oct 2023 – Present

Software Engineer Intern

- Managed race conditions in Go to achieve a bug-free CLI tool and optimized TLS for HTTP/2 calls.
- Enhanced tool throughput by 30% using Go channels for concurrency.
- Conducted network analysis with Wireshark and performance testing via JMeter.
- **Technologies:** Go, Linux, Git, Azure, JMeter

Firebond

Mar 2023 – Aug 2023

Software Engineer Intern

- Built a robust CI/CD pipeline (GitHub Actions), reducing deployment time by 50%.
- Developed a Twitter SDK with OpenAI-driven sentiment analysis, boosting engagement by 70%.
- Implemented OAuth-based secure login and REST APIs for frontend integration.
- **Technologies:** Node.js, Docker, AWS EC2, AppSync, MongoDB, Jest, OpenAI

ClickUp

Oct 2022 – Feb 2023

Micro Product Builder

- Created the *Productivity Tracker* Chrome extension, improving task management by 40%.
- Designed *LinkedIn PostLiker*, saving 2 hours/day per employee through automation.
- Automated Twitter thread ingestion to ClickUp via *MovetoClickUp* tool.
- **Technologies:** Chrome Extensions, Node.js, AWS, JavaScript, HTML/CSS

Shunya Ek

Nov 2021 – Oct 2022

Full Stack Engineer

- Developed an event-driven framework in Node.js, enabling rapid site builds from JSON configs.
- Engineered the Action Engine to execute user-defined workflows with 100% accuracy.
- **Technologies:** Node.js, Express, GitLab, HTML/CSS

Projects

Portfolio (React.js, CSS)

Dec 2022

- Interactive personal website showcasing projects and blog posts.

Comfort Journey (React.js, Node.js)

Jul 2022

- PWA for real-time Indian Railways seat availability and alternative route suggestions.
- Leveraged React and Node.js for seamless UX and efficient backend services.
- Available on Google Play Store.

LAW GPT (LangChain, DeepSeep R1, Python, Qdrant, Prompt Engineering)

Jul 2025

- Implemented a Retrieval-Augmented Generation (RAG) system to assist law students and professionals.
- Designed end-to-end pipeline with LangChain and DeepSeep R1 LLM for legal question answering.
- Managed vector embeddings in Qdrant, enabling fast retrieval of updated BNS laws and Supreme Court judgments.
- Crafted advanced prompts to optimize model responses within legal contexts.

Technical Skills

Languages: JavaScript, Go, Python, Java, C++, SQL, TypeScript, HTML/CSS

Frameworks/Tools: LangChain, Node.js, React, Express, NestJS, DeepSeep, OpenAI API

Databases: Qdrant, MongoDB, Oracle SQL

Cloud/DevOps: AWS (EC2, AppSync), GitHub Actions, Docker, Azure

Education

Sister Nivedita University

B.Tech in Computer Science

Sep 2020 – May 2024

Kolkata, India

Achievements

- Runner-Up, Glitch International Web3 Hackathon
- Top 20 Finalist in National-level 48-hour Hackathon
- Key member of school football team; Managed programming community (800+ members)