

# DAVID SINGH RANA

Full Stack Engineer - AI Model Evaluation & Training - Algorithmic Systems

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Full Stack Engineer with 4+ years building production web applications across the MERN stack, plus hands-on experience training and evaluating large language models. Skilled at reviewing code, reasoning, and model outputs to surface errors and improve quality - pairing strong software fundamentals with practical AI-in-the-loop development. Recently shipped multiple AI-assisted products end to end.

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), TypeScript, Python, SQL  
**Frontend:** React.js, Angular, Redux, HTML5, CSS3, Tailwind, responsive UI  
**Backend:** Node.js, Express.js, REST APIs, MongoDB, authentication & authorization  
**AI / ML:** LLM training data, prompt evaluation, model output review (RLHF-style), AI-assisted development  
**Tools:** Git/GitHub, Agile, code review, testing, deployment, API integration

## PROFESSIONAL EXPERIENCE

**Full Stack Engineer** Feb 2026 - Present

SkillRev - Full-time Remote

- Build and maintain full-stack web features across React, Node.js, and MongoDB, owning work from design through deployment.
- Developing an algorithmic system for financial markets that performs data analysis to identify strategies and optimal entry timing, built with an AI-in-the-loop workflow.
- Leverage AI tools to accelerate development, reviewing and validating generated code before it ships to production.

**Full Stack Engineer** Jul 2022 - Feb 2026

Koyal Technologies LLP - Full-time Remote

- Delivered end-to-end web applications on the MERN stack for 3.5+ years, translating requirements into reliable, maintainable features.
- Designed and consumed REST APIs, built responsive React front-ends, and modelled data in MongoDB for production workloads.
- Collaborated in Agile teams, performed peer code reviews, and mentored on best practices for quality and consistency.

**AI Training & Model Evaluation - Software Engineer (Freelance)** Feb 2024 - Jun 2024

RemoTask Remote

- Trained and evaluated AI models by reviewing model outputs and code for correctness, reasoning quality, and edge-case failures.
- Produced high-quality training and evaluation data that pushed model performance beyond generic internet-trained baselines.
- Applied software-engineering judgement to grade and correct technical responses across programming tasks.

**Software Engineer Intern** Feb 2022 - Jul 2022

Koyal Technologies LLP - Internship Hybrid

- Contributed to feature development and bug fixes across the stack while ramping quickly into a full-time engineering role.

## SELECTED PROJECTS

### EdgeVerify

AI-assisted, multi-asset trading verification platform (Indian stocks, indices & crypto) - backtest, paper-trade, and time entries. Designed and shipped end to end over a six-month build. ranabrothers.online/edgeverify

### Algorithmic Market Analysis System

In-progress system that analyzes financial-market data to evaluate strategies and entry timing, built with an AI-driven development workflow.

## EDUCATION

**PGDCA (Post Graduate Diploma in Computer Applications), Computer Science** Apr 2024 - Apr 2025

Kumaun University (KU), Nainital

**Bachelor of Engineering, Electrical and Electronics Engineering** Apr 2019 - Jul 2022

Delhi University