ANUBHAV JHA

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EDUCATION

Vellore Institute of Technology, Bhopal — 2023 - 2027 (Exp.)

B.Tech in Computer Science and Engineering (AI & ML)

GPA: 8.5 / 10

Relevant Coursework: Data Structures, Algorithms, AI, DBMS, Computer Networks, Linux, Software Engineering

EXPERIENCE

Quant Developer Intern — Oct 2025 - Dec 2025

Alaka Research LLP

- Developing and coding financial models to solve key business problems in trading and investment.
- Developing and coding the backtesting engine - DRONA for generating backtesting reports for various strategies.

Quant Developer Intern — Nov 2024 - Jan 2025

Uniton Technologies Pvt. Ltd.

- Designed and built an automated trading system, creating a business solution for precise market entry.
- Optimized strategy parameters through data analysis, improving performance and risk requirements by 15 %.

SKILLS

Programming Languages	C++, Java, Python, JavaScript, TypeScript, SQL
Frontend Technologies	React.js, Next.js, Tailwind CSS, HTML, CSS, Bootstrap, Material UI
Backend & DevOps	Node.js, Express.js, REST API, MongoDB, AWS, Docker
Tools & Methodologies	Git, Linux, Agile Methodologies, Test Automation, CI/CD

PROJECTS

Thumbly – AI Thumbnail Generator — [GitHub — Live]

- Developed and deployed a full-stack MERN application with user authentication, integrating the Google Gemini API to generate AI-powered custom thumbnails from user prompts.
- Created a responsive UI for style customization and a MongoDB backend to store user profiles and image history.

Tech: TypeScript, MongoDB, Express.js, React.js, Node.js, Gemini API, JWT, REST API

OkPeople - Sign Language Detection Web App — [GitHub — Live]

- Led the development of an AI-powered solution to address communication accessibility challenges.
- Assembled and configured a full-stack application using React.js and TensorFlow.js, deployed on Vercel.

Tech: JavaScript, React.js, TensorFlow.js, Vercel

TrendPulse - Automated Trading Algorithm — [GitHub]

- Developed a versatile, multithreading-based trading algorithm to automate and optimize a financial process.
- Configured and deployed the solution on AWS EC2, ensuring high availability and reliable performance.

Tech: Python, NumPy, Pandas, SmartAPI, AWS EC2

CERTIFICATIONS

- AWS Technical Essentials (AWS Training & Certification) — [View]
- Applied Machine Learning in Python by the University of Michigan (Coursera) — [View]
- SQL (HackerRank) — [View]