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, OOPS, DBMS, Computer Networks, **Linux**, AI

EXPERIENCE

Quant Developer Intern   Oct 2025 - Dec 2025
Alaka Research LLP   View

- 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	**Python**, JavaScript, Java, C++, **SQL**
Frontend Technologies	**React.js**, Tailwind CSS, HTML/CSS, Material UI
Backend & DevOps	Node.js, **Express.js**, REST API, MongoDB, Docker, **AWS**
System Design & Tools	High-Level Design, Low-Level Design, Distributed Systems, **Git**, 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