MANAN JAIN

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EXPERIENCE

TechOctanet   **June '24 – Aug' 24**
Fullstack Intern   *Remote, India*
- Developed WhereAbouts, a MERN stack app for geotagging and sharing travel images with a dynamic map interface.
- Integrated real-time data and interactive maps via Google Maps API, improving operational efficiency by **25%**.
- Integrated MongoDB Memory Server, simulating real-time interactions and reducing debugging time.
- Developed a **REST API** in **Express** and engineered a robust testing framework with **Postman**.

Freelance   **May '24 – April' 24**
Python Developer   *Remote, India*
- Developed Python web scrapers for court judgments and Indian laws, increasing data acquisition efficiency by **30%**.
- Created scraping frameworks & data-cleaning pipelines with **BeautifulSoup**, **Requests**, and **Selenium** for data scraping.
- Automated data collection for static and dynamic content, integrating court judgments and laws into the AI model.
- Optimized scraping algorithms to handle dynamic content and bypass anti-scraping measures for reliable data retrieval.

Freelance   **July '21 – June' 23**
Fullstack Software Developer   *Indore, India*
- Developed scalable Software and Web Application Solutions for Small Scale Businesses, operational efficiency by **35%**.
- Implemented authentication and authorization mechanisms using **JWT tokens** and **OAuth** for secure API access.
- Developed and Integrated a Web Scraping tool collecting data from public forums to existing software.
- Designed the Core components including **GraphQL APIs** and implemented **CI/CD** pipelines.

TECHNICAL SKILLS

Languages: C/C++, Java, Python, JavaScript, TypeScript, SQL, Golang
Libraries/Frameworks: ReactJS, NextJS, NodeJS, ExpressJS, NestJS, Scikit-Learn, Tensorflow
Tools/Platforms: Prisma ORM, AWS, Git, GitHub, Docker, CI/CD, Firebase, Selenium, Figma, Photoshop
Databases/ APIs: MySQL, PostgreSQL, MongoDB, Redis, REST, GraphQL

EDUCATION

Jaypee University of Engineering and Technology   **July '21 – June '25**
Bachelor's of Technology in Computer Science - CGPA : 9.7   *Guna, MP, India*

ACADEMIC AND PERSONAL PROJECTS

Nerd Trader | *TypeScript, NextJS, PrismaORM* | Github   **March 2024**
- Implemented customizable tools to streamline stock analysis and decision-making processes.
- Leveraged **NextJS** in a monorepo integrating both frontend, backend with Typescript.
- Developed and maintained seamless accessibility across various devices for user convenience.

Reading Between the Lines | *Python, Scipy, Flask, Matplotlib* | Github   **Sept 2023**
- Built an online web platform in Python for sentiment analysis of Reddit headlines across subreddits with **78%** accuracy.
- Engineered an AI model for sentiment analysis using **transformer-based** techniques to boost accuracy and efficiency.
- Created visualizations with Matplotlib to represent sentiment analysis results, facilitating better data interpretation.

Papers | *Java, Android Studio* | Github | Live   **April 2023**
- Developed an Android app with diverse wallpapers, boosting user engagement by 20%.
- Implemented features like intuitive navigation, advanced search, dynamic filters, and extensive customization.
- Integrated the Pexels API for diverse collection of categorized wallpapers leading to a 25% growth in user downloads.

POSITIONS OF RESPONSIBILITY

Bitwise - CSI JUET   **Aug '22 – May '23**
Secretary   *Guna, MP, India*
- Mentored 100+ students at Bitwise CSI JUET & organised Competitive programming sessions.
- Facilitated workshops and seminars to enhance technical skills and foster competitive programming culture.

ACADEMIC ACHIEVEMENTS & EXTRA-CURRICULAR

- **Ranked 2nd** in a local Hackathon among 30+ teams in 2019.
- Authored and published technical blog posts at blog.mananjain.site.