

Prakash Jha

prakashjha1218@gmail.com — +91-7428330987 — github.com/prakashzhaa — linkedin.com/in/iprakashjha01

Skills

- **Programming Languages:** Python, Java, C++, C
- **Web Development:** React.js, Next.js, TypeScript, HTML, CSS, Tailwind CSS
- **AI/ML Technologies:** LLMs (Mistral, Whisper, LLaVA), RAG Architecture, Transformers
- **Python Libraries:** Streamlit, Pandas, NumPy, ChromaDB
- **Databases & ORMs:** NeonDB, SQLite, Drizzle ORM, MySQL
- **APIs:** RESTful APIs, YouTube Data API, Gemini API, OpenAI API
- **Cloud Platforms:** Google Cloud Platform (GCP), Amazon Web Services (AWS)
- **Security Tools:** Burp Suite, Nessus, OWASP ZAP, Metasploit
- **DevOps & Containers:** Docker, Kubernetes, Jenkins
- **Others:** Git, Web Scraping, Prompt Engineering, Agile Development

Experience

Software Engineering Intern

Layer 5 (Mar 2024 – Jul 2024)

- Contributed to open-source projects focusing on cloud-native and service mesh technologies, enhancing system performance by 20
- Designed and optimized microservices, ensuring seamless integration with existing systems using Kubernetes and Docker.
- Participated in Agile development cycles, delivering features and fixes ahead of deadlines.

Security Analyst Intern

Craw Security (May 2023 – Aug 2023)

- Conducted comprehensive vulnerability assessments and penetration testing for web applications, improving security by 25
- Developed and implemented secure coding practices to safeguard against common vulnerabilities such as XSS and SQL injection.
- Collaborated with a team to deliver client-specific security solutions, earning recognition for exceptional performance.

Projects

ModuleLearner: AI-Powered Course Creation Platform

- Developed a robust and scalable course creation platform using Next.js, React.js, and Tailwind CSS, which increased user engagement by 30
- Automated video embedding and content creation with YouTube Data API and Gemini API, streamlining the course design process and reducing manual efforts by 40
- Designed and optimized database models with NeonDB and Drizzle ORM, enabling efficient data handling for up to 10,000 daily users.
- Presented the project to a live audience of 50+ technical peers, showcasing platform functionality and technical implementation.

Chat-With-Your-Documents

- Created a multi-modal chatbot application in Streamlit, integrating Whisper AI for audio processing, LLaVA for image analysis, and ChromaDB for PDF storage and retrieval.
- Enhanced document retrieval speed by 35
- Delivered a user-friendly interface for seamless interaction with various file formats, increasing productivity by 20
- Prepared comprehensive project documentation and hosted walkthrough sessions for stakeholders, improving technical understanding among non-technical team members.

Education

Bachelor of Technology in Computer Science
MERI College of Engineering & Technology, Delhi NCR

2021 – Present
SGPA: 9.063

Senior Secondary Education
Model Secondary School

CGPA: 7.57

Achievements

- Ranked **31st overall** among institute peers by solving 200+ algorithmic problems on platforms like LeetCode and GeeksforGeeks, earning **10,000+ points**.
- Led a team to participate in a 24-hour hackathon to develop a full-fledged full-stack application.

Certifications

- **Front-End Development Libraries Certification** – freeCodeCamp
- **Certified Ethical Hacker (CEH)** – Crow Security
- **Machine Learning Specialization** – Andrew Ng, Coursera
- **SQL Fundamentals** – Scaler

Relevant Coursework

- Data Structures and Algorithms, Machine Learning, Database Management Systems, Cloud Computing, Software Engineering