Monis Shaikh

monis.shaikh.0212@gmail.com — +91 8878618087 — [LinkedIn](#) — [Github](#)

Education

VIT Bhopal University — **Bhopal, MP**
B.Tech in Computer Science, Specialization in Cloud Computing — *Expected May 2026*

Experience

ASolution — **Remote**
Full Stack Intern — *May 2024 – Present*

- Engineered a complete website redesign using React.js and Tailwind CSS, achieving a 30% reduction in load time and ensuring 100% responsiveness across all mobile and desktop viewports.
- Boosted key site performance metrics by optimizing image assets and implementing code splitting, raising the Lighthouse performance score from 60 to 81 and the SEO score from 74 to 87.
- Managed end-to-end deployment via cPanel, ensuring 99.9% uptime by implementing a robust backup and recovery plan to mitigate potential site failures.
- Partnered with the UX and marketing teams to develop and launch a new lead-generation form, which captured user data with 100% validation accuracy and increased qualified leads by 20% in the first month.

Projects

InsightEngine — AI-Powered Document Intelligence Platform   *Tech: Python, FastAPI, GCP, TinyBERT, Pinecone*

- *Advanced to the second round of Bajaj Finserv's HackRx 6.0, placing 242nd out of an initial field of over 46,000 registrants.*
- Engineered a novel RAG pipeline using a HyDE generator and a TinyBERT cross-encoder, increasing the model's overall answer accuracy by 233% over the initial baseline.
- Optimized the retrieval and ranking algorithm, reducing the average end-to-end query response time by 23.5%.
- Deployed the full application on Google Cloud Platform (GCP) with a high-performance FastAPI backend, implementing a two-stage cache that cut latency for repeated queries by 95%.

DeepMetrics — AI Model Benchmarking Tool   *Tech: Next.js, FastAPI, TensorFlow, PyTorch, ONNX*

- *MERNxAI Hackathon Runner-Up Winner*
- Engineered an automated benchmarking infrastructure to evaluate TensorFlow, PyTorch, and ONNX models, which measured 5+ key performance metrics (e.g., latency, memory, GPU usage) and reduced manual testing efforts by 85%.
- Developed a high-performance FastAPI backend and a responsive Next.js frontend, implementing lazy loading for heavy components to achieve a 40% improvement in overall site load time.

Skills

- **Languages:** Python, JavaScript, TypeScript, C++
- **Frameworks & Libraries:** PyTorch, TensorFlow, FastAPI, React.js, Next.js, Pandas, NumPy, Tailwind CSS, GSAP
- **Tools & Platforms:** GCP, AWS, Docker, Git, MySQL, Pinecone, MongoDB, Linux, Figma