Abhinab Das

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TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, C++

AI/ML: PyTorch, Scikit-learn, Hugging Face, LangChain

Frameworks: Next.js, React.js, Node.js, Express.js, Flask

DevOps/Cloud: AWS, GCP, Docker, Git, CI/CD

Databases: PostgreSQL, MySQL, MongoDB, Redis

Tools: RESTful APIs, Postman, Prisma ORM, Unit Testing

EDUCATION

R V Institute of Technology and Management   Nov 2022 – Jul 2026

B.E. Computer Science and Engineering | *CGPA: 8.24/10.0*   *Bengaluru, Karnataka*

- **Relevant Coursework**: Data Structures & Algorithms, Software Engineering, Database Management, Machine Learning, Computer Networks, Operating Systems

EXPERIENCE

Hyperly.ai   Feb 2025 – Mar 2025

Frontend Developer Intern   *Remote, India*

- Collaborated with 5-member development team to architect and optimize 10+ Next.js pages using Lighthouse auditing, reducing load times by 30% and increasing session duration by 18%
- Implemented WCAG 2.1 accessibility standards and interactive animations via Framer Motion/Tailwind CSS, enhancing UX for 1000+ users
- Executed comprehensive SEO strategy with structured data and meta tag optimization, driving 20% increase in organic traffic
- Participated in Agile sprints, daily standups, and code reviews with 95% pull request approval rate using Git version control

PROJECTS

DeepQuest: AI-Powered Multimodal Research Assistant | *Next.js, OpenAI, Gemini, RAG, Redis, Docker*   Apr 2025

- Architected microservices-based agentic AI pipeline with PostgreSQL+Redis RAG system, achieving 40% faster query response times
- Integrated Google Cloud Vision API for multi-modal document analysis supporting 10+ file formats with 85% accuracy
- Deployed scalable Docker containers with CI/CD pipeline, ensuring 99.9% uptime and reproducible deployments

DeepSeek-R1-Finance Model | *PyTorch, LoRA, Hugging Face*   Feb 2025

- Fine-tuned DeepSeek-R1-Distill-Llama-8B on financial datasets using LoRA with Unsloth for domain-specific NLP tasks
- Developed end-to-end training pipeline achieving 15% performance improvement over base model on financial Q&A
- Gained 4,100+ downloads on Hugging Face and 15+ GitHub stars, demonstrating community impact in financial NLP

PrepLens: Mock Interview Platform | *Next.js, TypeScript, Gemini, TensorFlow.js, Supabase*   Dec 2024

- Built Gemini-powered interview simulation with real-time feedback system, reducing preparation time by 40% for users
- Implemented computer vision posture tracking using TensorFlow.js with 90% accuracy for user engagement monitoring
- Engineered secure backend with Supabase and Clerk authentication, cutting login times by 40% and ensuring data privacy

Simple HTTPS Server | *C, OpenSSL, BSD Sockets*   Aug 2025

- Built a secure HTTPS server in C using OpenSSL for TLS/SSL encryption and BSD Sockets for network communication
- Implemented TLS handshake and signal handling for reliable performance in Linux environments
- Managed memory efficiently with proper resource cleanup, ensuring stable data transfer over TCP/IP

ACHIEVEMENTS & CERTIFICATIONS

Amazon ML Summer School 2025 — Selected among top 3,000 from 65,000 applicants for intensive 8-module ML training

Hackathon Winner — PrepLens won Dev Challenge 2025; DeepQuest ranked Top 6/120+ in FantomCode Hackathon 2025

AdSage — Top 8/50+ projects in Rocketium's CreatiVerse Gen-AI AWS Hackathon 2024

Open Source — Active contributor in Hacktoberfest and GSSOC Extended 2024