Abinash Das

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PROFESSIONAL EXPERIENCE

Freelance Full Stack Developer ***Jun 2025 – Present***

- Architected and delivered AI-enabled full-stack applications serving 1,200+ users using Next.js, React, Node.js, and RESTful APIs.
- Built and deployed CRM and peer-to-peer transaction platforms, implementing secure authentication, data management, and scalable backend services.
- Developed internal automation solutions that improved workflow efficiency and reduced repetitive operational tasks.
- collaborated with clients on system design, technology selection, and software development best practices.

Full Stack Developer | Win Research Centre (WRC) | Full-Time Contract ***Jan 2026 – Apr 2026***

- Built FYKLi's vendor portal, enabling 100+ fitness and sports centers to manage bookings, schedules, pricing, customers, and revenue from a single dashboard.
- Developed real-time booking and notification systems, supporting 1,000+ monthly transactions with instant operational updates.
- Created CRM/Admin platforms for managing centers, payments, inventory, coupons, offers, and platform-wide operations across multiple business locations.
- Designed and developed customer-facing web applications and the FYKLi landing page, contributing to both UI/UX and full-stack implementation.

AI Intern | *Infosys Springboard* | *Internship* **Sep 2025 – Nov 2025**

- Fine-tuned FinBERT on the FiNER-139 dataset using Hugging Face, achieving high-precision extraction of 139+ distinct financial entities from unstructured 10-K filings.
- Architected a RAG pipeline using LangChain, FAISS, and Google Gemini Flash to enable sub-second, citation-backed semantic search over financial documents.
- Deployed a full-stack Streamlit application integrating OCR and NLP models, reducing manual document analysis time by 90%.

AI ML Intern | *Edunet Foundation* | *Internship* **Apr 2025 - May 2025**

- Completed an intensive AI internship focused on Machine Learning, Deep Learning, and Generative AI.
- Led a capstone project developing a Smart Farming System with ML/DL for crop yield prediction and resource allocation.
- Engaged in collaborative problem-solving sessions to address complex AI challenges.

PROJECTS

SyncScribe | Next.js 16, Prisma, Ably, Dexie.js, NextAuth, OpenRouter - Link **Jul 2026 – Jul 2026**

- Developed an offline-first collaborative document editor using Dexie.js and Ably, enabling real-time multiplayer editing and conflict-free syncing with zero-latency optimistic UI updates.
- Integrated a next-generation AI copilot via OpenRouter and Gemini 2.5 Flash, enabling real-time token streaming for document generation, summarization, and contextual rewriting.
- Implemented secure role-based access control (RBAC) via NextAuth v5 and engineered a granular version history system supporting safe document state rollbacks.

Evidence Review - Autonomous Claim Verification System |Gemini VLM, GenAI SDK, Pydantic, Python - Link **May 2026 – Jun 2026**

- Architected an end-to-end multi-modal VLM pipeline using gemini-3.1-flash-lite and Pydantic schemas to automate damage verification across 3 object verticals, achieving 85% evidence accuracy and 100% schema compliance.
- Hardened pipeline security by building prompt-injection sanitizers and dynamic rule-matching layers that process user risk histories and checklist constraints without data leakage.
- Benchmarked Direct vs. Chain-of-Thought (CoT) prompting via an automated evaluation harness, cutting inference costs by >90% ($0.044 / 44 claims) and achieving a 2.9s average latency compared to GPT-4o baselines.

FinanceInsight - NER Models for Financial Data Extraction | Hugging Face Transformers, LangChain, FAISS - Link **Sep 2025 - Nov 2025**

- Fine-tuned FinBERT on the FiNER-139 dataset using Hugging Face, achieving precision extraction of 139+ financial entities from unstructured 10-K filings.

- Engineered a RAG pipeline using LangChain, FAISS, and Google Gemini Flash, citation-backed document retrieval.
- Developed a full-stack Streamlit UI integrating NER and semantic search, reducing manual financial due diligence time by 90%.

Forenotes - Trading Journal| NextJs15,MongoDB, Razorpay, Clerk, ShadCn - Link **Jun 2025 – Sep 2025**

- Developed a full-stack SaaS trading journal using Next.js 15, React 19, and MongoDB to enable traders to streamline and analyze their performance via Trade and psychology Dashboard.
- Integrated the Gemini API to deliver AI-powered analysis and strategic insights on trade data to refine their trading strategies.
- Implemented Razorpay for secure payments and gamification features like streaks and leaderboards to boost user engagement.

Project Plant Health Check Assistance | Python3, ML& Deep Learning, Flask, Botpress Chatbot - Link **Feb 2024 – Mar 2024**

- Created a Deep Learning-based application for analyzing plant health via leaf imagery**.**
- Utilized TensorFlow, Kera's, Pandas, OpenCV, and Pillow for advanced image processing.
- Built a web UI interface with Frontend written in Html, CSS, JavaScript and Bootstrap along with Backend in Flask.
- Integrated Botpress services and ChatGPT 3.0 APIs to build an intelligent chatbot for user queries and Gardening assistance.

TECHNICAL SKILLS

Languages: Python, JavaScript, C/C++ .
Frontend: React.js, Next.js, Redux, Responsive Design.
Backend & APIs: Node.js, Express.js, REST APIs, FastApi.
Databases: PostgreSQL, MongoDB, SQL, Firebase, Supabase.
Tools & DevOps: Git, GitHub, Postman, Docker, CI/CD, ClaudeCode.
Cloud Platforms: AWS, Google Cloud.
Other: DSA, Machine Learning, Deep Learning.

EDUCATION

Amrita Vishwa Vidyapeetham **2024 – 2026**

Master of Computer Application (MCA) in Artificial intelligence and Data Science — CGPA: 7.49 *Karnataka, Mysuru*

SBRR Mahajana First Grade College **2021 – 2024**

Bachelor of Computer Applications (BCA) — CGPA: 8.85 *Karnataka, Mysuru*

Certificates

Cloud Architecture: Design, Implement, and Manage Skill Badge *Google Cloud* — Badge
Engineer AI Agents with Agent Development Kit (ADK) *Google Cloud* — Badge
Google Cloud Computing Foundations Certificate *Google Cloud* — *Badge*
Java Programming *NPTEL* — *Certificate*
Full Stack Web Development *GeeksForGeeks* — *Certificate*
Artificial Intelligence Primer Certification *Infosys Springboard* — *Certificate*
Deep Learning for Developers *Infosys Springboard* — *Certificate*
AWS Solutions Architecture Job Simulation *Forage* — *Certificate*
Data Structures and OOP with C++ *Udemy* — *Certificate*
