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SUMMARY

AI/ML Engineer with 3 years of experience building and deploying end-to-end AI applications across health, recruitment, productivity, and generative AI domains. Strong expertise in Large Language Models (LLMs), autonomous AI agents, voice calling agents and conversational chatbots. Highly skilled in backend engineering to seamlessly integrate AI models into real-world systems, such as automated email processing pipelines, intelligent fitness planners, and digital human avatars. Proven track record includes building an AI-powered recruitment platform that reduces HR operational costs by 70% and boosts hiring efficiency by 98%.

EXPERIENCE

AI Engineer

Vizz Web Solutions

12/2023 – Present

Islamabad

- **Built Autonomous Agents:** Developed smart **agentic systems** using open source and closed source LLMs that can handle complex workflows and make decisions automatically
- **AI Strategy & Problem Solving:** Identified real business challenges the clients were facing and figured out how AI/ML solutions could be used to fix them.
- **Production-Grade AI Deployment:** Built and shipped AI models into production using FastAPI and microservices, making sure they run smoothly and scale well on the cloud
- **Handled Data Pipelines:** Worked on collecting and cleaning up messy data (both structured and unstructured) to make sure our models perform accurately.

AI Engineer Consultant -Partime

Airec

11/2025 – 04/2026

Remote

- **AI Solution Development:** Designed and implemented advanced machine learning models, wrote custom APIs, and performed prompt engineering/fine-tuning to align technical solutions with business goals.
- **System Optimization:** Optimized existing AI systems to ensure high performance with minimal latency and reduced API call overhead, ensuring scalability for hundreds of concurrent users.
- **End-to-End Ownership:** Managed the full lifecycle of AI features, from initial design and thorough testing to final production deployment, ensuring seamless integration with existing platforms.
- **Collaboration & Documentation:** Created comprehensive technical documentation for models and system behavior while collaborating with cross-functional teams to drive project adoption.

Data science and business analytics Intern

The Sparks Foundation

08/2023 – 10/2023

- Collect, clean, preprocess, and integrate data from various internal and external sources.
- Perform exploratory data analysis (EDA) to find trends, patterns, anomalies, and summarise data insights
- Perform predictive modeling and trend analysis to support data-driven decision making.
- Build, train, and tune machine learning models (supervised/unsupervised) using Python/R (scikit-learn etc.).

PROJECTS

Envia family planning

- Built the backend platform handling real-time email ingestion from Gmail and queue them via SQS for AI processing.
- An onboarding service that scans a user's last 90 days of emails to automatically using AI understands the user from day one.
- email processing AI agent that picks up queued emails classifies their relevance using a lightweight if relevant pass email to big model for further processing (e.g create events) no user action needed.
- A conversational AI chatbot that books appointments doing outbound calls and creates calendar events , auto-detects and saves personal and family preferences from conversation, RETURN_CONTROL for frontend UI forms to add a family directly from chat.
- **Technologies:** Python, LangGraph, TypeScript, AWS Lambda, Amazon Bedrock, SQS, S3, Milvus, Claude Retell AI.

AIREC AI-powered recruitment

- Airec is an AI-powered recruitment & assessment platform that helps you make the right hiring decisions.
- AIREC automates manual hiring processes, from candidate sourcing, CV screening, automated interview & assessments, soft skills evaluation to give you the right fit.
- AIREC uses latest AI trained models along with a great UX to save 70% of your HR cost.
- **Technologies:** Python, FastAPI, LangGraph, Milvus, Gemini

HIBFF

- **Practice social skills. With AI that feels real.**
- Developed an AI-driven "digital human" platform (HiBFF) allowing users to interact with persona-based avatars delivering natural-language voice and text conversation tailored to emotional & behavioral context.
- Integrated D-ID to generate realistic avatars/video avatars from images, enabling personalized visual representation for users.

- **Technologies:** Python, FastAPI, OpenAI , LangGraph,Milvus ,FastAPI, D-ID,ElevenLabs,MongoDB,ElevenLabs

AI Health app

- Meal planning, workout generation, sleep tracking, hydration analysis, and community features (posts, comments, likes).
- Integrated AI and external data sources (Open Food Facts) for intelligent barcode lookups, nutrition analysis, cosmetics classification, and image interpretation.
- Implemented Redis caching, Celery workers for background tasks.
- **Technologies:** Python, LangGraph,Milvus ,FastAPI, MongoDB, Redis, Celery,OpenAI.

GymAI

- AI-crafted training programs tailored to your goals, fitness level, and available equipment.
- Intelligent algorithms that adapt your plan based on performance, recovery, and progress
- Workouts automatically adjust based on your gym's equipment or home setup.
- **Technologies:** Python, Fastapi,LangGraph,ChromaDB,groq

BizAI

- **Automate your agency**
- BizAI learns your clients' brands, handles their marketing, and keeps them engaged, automatically, while you sleep.
- Automate repetitive tasks with intelligent workflows that learn and adapt.
- clients get a personal, human-feeling experience, powered entirely by AI behind the scenes.
- **Technologies:** Python, FastAPI, LangGraph,chromaDB,MongoDB,claude.

SKILLS

Leadership: Team Management · Sprint Planning · Code Reviews · Technical Roadmap · Hiring & Onboarding

Languages: Python · Nodejs

ML & Data Science: Scikit-learn · XGBoost · LightGBM · Pandas · NumPy · Feature Engineering · Model Evaluation

Deep Learning & AI: TensorFlow · PyTorch · Hugging Face · spaCy · Fine-Tuning (LoRA) · LLMs · Generative AI

NLP & RAG: LangChain · LangGraph · LlamaIndex · Sentence-Transformers · Milvus · ChromaDB

Computer Vision: OpenCV · CNNs · YOLOv8 · Object Detection · PaddleOCR · DeepFace · FaceNet

MLOps & Deployment: MLflow · Docker · Airflow · Jenkins CI/CD · Git · Model Monitoring · Experiment Tracking

Data Eng. & Cloud: PostgreSQL · MySQL · ETL Pipelines · DataMart · T24 · AWS SageMaker · FastAPI · Flask · Runpod

TTS & STT :ElevenLabs · Vapi · Retell AI · Whisper · Deepgram · AWS Transcribe

EDUCATION

UOLI

10/2023

Bachelor's in Computer Science

Relevant Courses: Artificial intelligence, Machine Learning, Deep Learning, Computer Vision

RESEARCH

Car Facelift Design Generation Using GENAI

- To help designer our research aimed to assess the feasibility and effectiveness of generative networks in generating realistic and diverse car facelifts.
- Created our own car front design dataset.

CERTIFICATIONS:

Intro to Coding in Python

Institution: One month

Generative AIs, LLMs, and ML

Institution: Abacus. AI

Become A Certified Python

Programmer: Python Practice Tests

Institution: Udemy

Supervised Machine Learning

Regression and Classification

Institution: Coursera