







Mohammad Wasif Ahad

Full-Stack Developer | AI Engineer | Agentic Workflow Architect

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EXPERIENCE

Software Engineer – AI & Agentic Systems, QzenTech  Jul 2025 – Present

- Built internal automation workflows with n8n, Python, and third-party APIs to streamline data ingestion, reporting, and operational tasks across the team.
- Contributed to a scalable e-commerce platform – backend services, API integrations, and optimized data flows to support growing transaction and catalog volume.
- Designed modular pipelines handling 50K+ ETH2/PoS validator data points, integrating trust scoring and reinforcement learning for validator selection, and supported reproducible workflows for blockchain ML research.

Jr. Machine Learning Engineer, Bondstein Technologies Limited Jul 2024 – Nov 2024

- Developed and deployed 4+ computer vision models (YOLO v8, v9), improving detection accuracy by 20% on edge devices.
- Optimized deep learning pipelines with data preprocessing, transfer learning, and model fine-tuning.
- Contributed to AI/ ML projects across LLMs and Generative AI, delivering production-ready solutions.

Machine Learning Engineer - Internship, Bondstein Technologies Limited Apr 2024 – Jul 2024

- Built ML solutions in computer vision, synthetic audio generation, voice cloning, and lip-syncing.
- Gained hands-on expertise in deep learning frameworks, full project lifecycle, and deployment.

AGENTIC WORKFLOW EXPERTISE

- Designed multi-agent orchestration pipelines with LangChain tool-calling, custom RAG architectures, and verifier-guided IAD loops for production-grade LLM systems.
- Applied Harness Engineering principles – deterministic guardrails, constraint-layer validation, and CXDB immutable context stores – to build structured, reproducible agent execution environments.
- Leveraged Claude Code, Cursor, and Antigravity for vibe coding workflows; implemented Pyramid Summary documentation for token-efficient context selection in agent attention mechanisms.

PROJECTS

Planora 

- Developed a full-stack event management platform using Next.js 15 (App Router), Express.js, TypeScript, PostgreSQL (Prisma ORM), Stripe (test mode), and JWT + bcrypt authentication with RBAC, supporting public/private and free/paid event flows, owner-managed participant approvals, post-event reviews, and webhook-verified payments – deployed on Vercel (frontend) and Render (backend).

FoodHub 

- Developed a full-stack multi-role food delivery platform (Customer, Provider, Admin) using Next.js 15, React 19, Node.js/Express 5, TypeScript, PostgreSQL (Prisma ORM), BetterAuth session-cookie auth, Cloudinary, Zod, TanStack Query, and Zustand, featuring role-scoped dashboards, real-time cart and checkout, dietary-filtered meal browsing, and a complete order lifecycle – deployed serverlessly on Vercel.

Agentic LLM Validator Pipeline, QzenTech

- Built a constraint-architected agentic system for ETH2/PoS validator selection; integrated IAD verifier loops and CXDB-style immutable telemetry stores for reproducible experimentation.

RAG-Powered Custom AI Chatbot [↗](#)

- Designed and deployed a custom RAG architecture with vector embeddings (FAISS), LangChain tool-calling, and context window optimization using Pyramid Summary documentation patterns.

ParkSmart [↗](#), IoT + AI Real-Time Monitoring System

- Full-stack IoT telemetry platform (React/TypeScript, Django/DRF, PostgreSQL) with validation pipelines, alert detection, health scoring, and real-time dashboard – built with agentic-assisted development using Cursor.

Lung Disease Classification – Swin Transformer

- Undergraduate thesis on pulmonary health classification using Swin Transformer deep learning model; applied transfer learning and fine-tuning on medical imaging datasets.

Velocity Rentals [↗](#)

- Full-stack vehicle rental platforms (React, Node.js, TypeScript, PostgreSQL/Prisma) with JWT auth, RBAC, Zod validation, cron automation – developed using GitHub Copilot + Cursor agentic workflows.

SKILLS

- **Tech Stack:** React, Next.js, Node.js, Express.js, FastAPI, Flask, Django/DRF, ASP.NET Core, Tailwind CSS, Prisma
- **Languages:** Python, JavaScript, TypeScript, Go Lang
- **Databases:** PostgreSQL, MongoDB, MySQL
- **AI Engineering:** LLMs, Generative AI, NLP, Transformers, Prompt Engineering, RAG Pipelines, Tool Calling, MCP, LangChain, LlamaIndex, Hugging Face, PyTorch, TensorFlow, scikit-learn
- **Vector DBs:** FAISS, Pinecone, Weaviate, Embeddings
- **Automation:** n8n, Zapier, Make
- **Data:** Pandas, NumPy, Feature Engineering, Power BI, Tableau
- **MLOps:** MLflow, Docker, Kubernetes, CI/CD, GitHub Actions, CloudWatch, Prometheus, Grafana
- **Cloud:** AWS, Azure, DigitalOcean, Vercel, Netlify, Heroku, Terraform
- **Agentic Tools:** Claude Code, Cursor, Antigravity, GitHub Copilot, LangGraph, CrewAI

EDUCATION

Msc. in Computer Science and Engineering, Brac University 2025 – present
CGPA: 3.45/4.00

Relevant Course: Advanced Cloud Computing, Symbolic Machine Learning 1, Advanced Artificial Intelligence, Advance Natural Language Processing

Bsc. in Electrical and Electronic Engineering, Jan 2019 – Oct 2023
Ahsanullah University of Science and Technology
CGPA: 2.982/4.00

CERTIFICATIONS & TRAINING

Machine Learning Engineer [↗](#), DataCamp May 2025 – May 2025
• Proficient in MLOps with MLflow, Docker, and CI/CD for model deployment and monitoring. Skilled in advanced ML techniques and software best practices for scalable, production-ready systems.

Associate Data Analyst [↗](#), DataCamp Oct 2024 – Nov 2024
• Completed comprehensive training in *data analysis, SQL, Python, and BI tools*. Gained hands-on experience with SQL, Pandas, Power BI, and Tableau for data visualization and insights.

REFERENCES

- Available upon request