

Khursheed Ahmed

Software Engineer | Generative AI | AI/ML | Full Stack Web Development

GitHub: github.com/khursheedahmedd | **Social:** linkedin.com/in/khursheed-ahmed-f202265038 | **Phone:** +923417122946 | **Email:** khursheed6577@gmail.com

EDUCATION

October 2022 - July 2026*

Bachelor of Science in Software Engineering

CGPA 3.35/4.0

University of Management and Technology

Teaching Assistant: CC1022 Object Oriented Programming (Fall '25) • CC1041 Discrete Structures (Fall '25)

Relevant Coursework: OOP, Database Systems, Machine Learning, Natural Language Processing, Data Sciences, Deep Learning and Neural Network, Software Engineering, System Design and Architecture, Operating Systems, Human Computer Interaction, Data Structures and Algorithms (DSA), Computer Networks, Information Security, Operating Systems, Probability Theory and Statistics, Calculus and Analytical Geometry, Discrete Mathematics, Software Quality Engineering, Software Design Patterns and Refactoring

Thesis (Final Year Project): SmartHire AI: Agent-Driven Automated Recruitment System with AI Interviews capabilities

October 2018 - July 2020

Marks: 894/1100 (A+)

Intermediate in Computer Science

Punjab Group of Colleges

Major: Physics, Mathematics and Computer Science

SKILLS

Programming Languages: Python, TypeScript, JavaScript

Libraries/Frameworks: FastAPI, ReactJS, Next.js, Node.js, Express.js, LangChain, LangGraph, HuggingFace, Numpy, Pandas, Retrieval Augmented Generation, LLMs, LlamaIndex, CI/CD, Workflow Automations

Tools / Platforms: Git, Postman, Vercel, Firebase, Cloudinary, Clerk, Google Colab, Azure, Docker, Jupyter Notebook, Azure AI studio, Groq, Lovable AI, Cursor IDE, Antigravity IDE, Stripe, Dodo Payment Gateway, Vapi, Github Actions

Databases: MySQL, MongoDB, PostgreSQL, ChromaDB, CosmosDB, DuckDB, Supabase, Redis (basic), Prisma

WORK EXPERIENCE

AI Engineer

October '25 - Present

Introva

Tools and Technologies: LangChain, Langgraph, LlamaIndex, Google ADK, ElevenLabs, Azure VM, Vertex AI, Azure AI, Model Context Protocol (MCP), Chroma (vector DB), PostgreSQL, FAISS, Google AI Studio, Gemini, OpenAI, FastAPI, React.js

Responsibilities:

Designed, built, and deployed AI pipelines and SaaS platforms, combining Generative AI, agentic workflows, and full-stack development. Developed RAG pipelines using vector databases to enable accurate, context-aware AI responses over large document and knowledge bases. Implemented multi-agent systems for task automation, data analysis, and workflow orchestration.

Developed a zero-hallucination Hebrew OCR pipeline built to process thousands of complex, multi-column historical texts. The system leverages Google Vision API alongside custom layout detection algorithms and features an advanced post-processing engine backed by a 23,000+ word

local database and Sefaria API integrations. Through algorithmic text polishing and image preprocessing, successfully achieved an OCR accuracy of 96%.

Developed a full-stack generative AI platform that extracts resume data and generates instantly viewable, fully customizable web portfolios. Engineered a built-in AI code editor that allows users to alter the generated UI components using natural language prompts.

Software Engineer

Eventus Sol

May'23 - October'25

Tools and Technologies: JavaScript, Node.js, React.js, FastAPI, Next.js, Express.js, LangChain, LangGraph, HuggingFace, Numpy, Pandas, Retrieval Augmented Generation, LLMs, LlamaIndex, CI/CD, Workflow Automations, Postman, Vercel, Firebase, Cloudinary, Clerk, Google Colab, Azure, Docker, Azure AI studio, Groq, Lovable AI, Cursor IDE, Antigravity IDE, Stripe, Dodo Payment Gateway, Vapi, Github Actions, MySQL, MongoDB, PostgreSQL, ChromaDB, CosmosDB, DuckDB, Supabase, Redis, Prisma

Responsibilities:

Worked on developing and maintaining responsive, scalable web applications using the MERN stack, with the integration of Generative AI features into production systems. Collaborated closely with designers, stakeholders, and clients to translate business requirements into robust technical solutions. Implemented and consumed RESTful APIs, optimized frontend performance, and ensured cross-browser compatibility. Contributed across both frontend and backend development, following Agile methodologies to deliver features efficiently and on schedule.

CERTIFICATIONS

Certified Cloud Generative AI Engineer (PIAIC batch 2023)

AWARDS & ACHIEVEMENTS

Global Semifinalist in **Microsoft Imagine Cup 2025** (Only Asian Team to qualify from a pool of 20,000)
Ranked 31st Globally and 1st in Pakistan in Round one of **Meta Hacker Cup 2025** out of more than 14,000 global contestants
Global Finalist in **Google Gemma AI Hackathon London 2024**
2nd Runner Up in **IBM Watson AI Hackathon 2024** (Funding of 3500 USD)
Honorable Mention in **Nasa Space Apps Challenge** Local Award 2025
Received \$25000 worth of Azure Credits from **Microsoft for Startups** for “Smartgrade AI”

OTHER EXPERIENCES

Internships

Generative AI Intern at Circle AI (2023)
Software Intern at Eventus Solutions (2022)

Social and Volunteer Work

UMT Anti-Narcotics Society: Director of Management ‘2025
UMT Social Welfare Society: Head of Volunteers ‘2023
Volunteer at Alkhidmat Youth Society

HOBBIES

Start-ups & Hackathons

•

Teaching & Mentoring

•

Communities and Social Work