

Maida Afzal
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Professional Summary:

Dedicated student pursuing a master of artificial intelligence with hands-on experience in developing and deploying intelligent assistants, document abstraction systems, and gamified AI learning platforms. 4+ years of experience in full-stack development, developed and maintained applications for companies. Proficient in a wide range of languages like javascript, python, C++. Experience in object-oriented programming (OOP), data structures and algorithms (DSA), SDLC, CI/CD pipelines, agile development. Work samples: github.com/mydafzal

Skills and Tools:

- Languages and frontend: react native, react.js, next.js, javascript, typescript
- Backend and databases: node.js, express.js, django, mySQL, postgresSQL, mongoDB, noSQL
- DevOps and cloud: AWS (EC2, S3, RDS, route 53), docker, azure, heroku, vercel
- API and testing: REST, RESTful APIs, graphQL, postman, API integration, elasticsearch
- Security and networking: SSL/TLS, DNS, jenkins

Education:

Master of Artificial Intelligence
Macquarie University

Current to November 2025

Bachelor of Software Engineering
Bahria University

2018 to 2022

Work Experience:

CCRIPT

December 2022 to August 2025

Engineering Manager

- Led a team of 35 engineers in building scalable, AI-powered SaaS applications across legal tech and customer service domains
- Successfully delivered 5 high-impact AI projects on time focused on real-time automation, intelligent document processing
- Designed and implemented ML pipelines for tasks like image classification and predictions
- Built a custom chatbot platform using openAI APIs and fine-tuned LLMs for various client use cases, including legal advice, appointment scheduling, and support automation
- Integrated OCR and NLP models to automate data extraction from leases and government forms
- Set up scalable AWS infrastructure (EC2, S3, RDS, Route 53) with CI/CD pipelines
- Deployed containerized microservices with docker and kubernetes

Cheetah Agency

June 2021 to October 2022

Senior Software Engineer

- Focused on backend development for the exchange zone system a smart locker solution
- Built APIs using node.js and implemented stripe connect for payment processing
- Migrated systems to a microservices architecture, resulting in 50% faster app performance and 75% easier maintenance
- Managed git-based version control and deployment workflows
- Developed three key applications:
 - Shift – for secure item exchanges
 - Shopper – for purchasing from local vendors
 - Merchant – for managing business sales and logistics

iSkills

February 2020 to February 2021

Mobile App Engineer

- Led development of the iSkills Islamabad mobile app using react native
- Achieved over 5,000 downloads with a 4.9-star rating on app stores
- Handled UI enhancements, bug fixes, and feature updates to improve user engagement and retention

Projects:

CustomerBot – AI Powered Virtual Assistant

- Built customerbot, an AI-powered virtual assistant capable of call handling, appointment booking, and business q&a using openAI GPT, deployed on websites with seamless widget integration
- Developed a training pipeline to fine-tune tone and response styles, aligning closely with company personality
- Integrated dynamic NLP workflows for personalized conversations using openAI + custom context rules
- Designed a multi-tenant backend with secure user onboarding, chat logging, calendar sync and call routing features

Bitcoin Mining World – AI News Automation & Distribution Platform

- Designed and developed an AI-powered news automation platform that fetches content from RSS feeds or web sources, auto-generates summaries or full articles using LLMs and distributes them via substack and telegram using automation scripts
- Built a complete admin UX flow, enabling post creation, AI-assisted editing, scheduling, and analytics allowing a single user to manage a full publishing cycle
- Implemented scheduled content workflows using cron jobs, playwright for automated web actions, and telegram bot APIs for real-time distribution
- Integrated rich-text editor with AI inline suggestions, SEO tagging, internal linking, and article-type toggles for better user control and optimization

Psychix – Astrology Prediction

- Engineered a real-time video and messaging app (psychix) using React Native, Node.js, websockets, and stripe, allowing secure client-psychic bookings foundational for identity-based interaction flows
- Built facial verification and session tracking mechanisms to validate user entry

Kyra AI – Perform Real World Tasks

- Integrated openAI whisper for real-time voice transcription and computer vision features for document understanding and task automation
- Designed proactive assistant workflows to handle tasks like expense validation and document scan summaries a foundation for visual data validation and context-aware decisioning.

Lease Simplify – Lease Abstract Creation

- Built a production-ready NLP pipeline that extracts, parses and analyzes lease document data using custom entity recognition, classification and contract analytics tools
- Implemented backend logic to convert legal text into structured formats and visual summaries for commercial reporting

References will be provided upon request