

# MUHAMMAD MUDASIR HAYAT

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## SUMMARY

I'm a Full Stack Developer with 8+ years of experience building AI-powered solutions, SaaS platforms, and custom software. I specialize in Python, Django, and React, with expertise in API development, automation, and cloud deployment on AWS. I've led teams, mentored developers, and delivered high-quality projects for global clients, always focusing on clean code, scalability, and seamless user experiences.

## SKILLS

- **Languages:** Python, JavaScript, TypeScript
- **Frontend:** React.js, Next.js, Tailwind CSS, HTML5, CSS3
- **Backend & Frameworks:** Django, Django REST Framework (DRF), FastAPI, Flask, Celery, Django Channels, JWT/OAuth
- **AI & Automation:** AI Workflow Automation, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), OpenAI API, LangChain, NLP, Reinforcement Learning, Supervised Fine-Tuning, AI Agent Development
- **Databases:** PostgreSQL, MySQL, MongoDB, Vector Databases (pgvector, Pinecone)
- **Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda, Route53, CloudWatch, CodePipeline), Docker, CI/CD Pipelines
- **Testing & Quality:** pytest, unittest, API Testing
- **Other:** API Design & Integration, SaaS Architecture, System Design, Model Deployment & Optimization, SaaS Architecture, AI Workflow Automation, Model Deployment & Optimization

## PROFESSIONAL EXPERIENCE

- ZYROUS — Main Lead Developer | 2024 – 2025
  1. Led a team of developers to build enterprise-grade web and mobile solutions for clients in the real estate and corporate sectors.
  2. Coordinated directly with stakeholders to align technical delivery with strategic goals.

- **TURING (ServiceNow Project) — Senior Python LLM Engineer | 2021 – 2024**
  1. Led a team of 5 engineers, mentoring on LLM fine-tuning and Jupyter Notebook development.
  2. Implemented RLHF, improving model accuracy and increasing user satisfaction by 15%.
  3. Reduced model training time by 30% through optimized Python scripts and resource allocation.
  4. Aligned AI solutions with business goals, collaborating with data scientists and product managers.
  
- **DEVSINC — Full Stack Engineer | 2017 – 2020**
  1. Duett (Healthcare SaaS) – Built MFA, microservices, scheduling systems, and AWS deployment; integrated medical chatbot using RAG & LLaMA 2.
  2. Powderkeg (Job Platform) – Maintained stability, debugged performance issues, improved platform speed.
  3. Wishoo Agency (Marketing Apps) – Developed real-time socket-based apps, video processing, and advanced marketing tools.
  4. Mentors of Colors (Education SaaS) – Architected entire platform with DRF & React; deployed on AWS EC2 with high security and scalability.
  
- **CENTER OF LANGUAGE AND ENGINEERING — Python Engineer | 2019 – 2020**
  1. Designed a Meeting Minutes Generator with NLP for automated documentation.
  2. Built a Django Channels-powered video application for real-time communication.
  3. Managed end-to-end deployments, ensuring security and scalability.

## PROJECTS

- **ServiceNow** – <https://www.servicenow.com/>
- **Duett** – <https://www.duett.io/>
- **Powderkeg** – <https://powderkeg.com/>
- **Wishoo** – <http://www.wishoo.com/>
- **Mentors of Colors** – <https://mentorsofcolor.com/>
- **Zyrous** – <https://zyrous.com/>

## EDUCATION

University of Engineering and Technology — BS Computer Science (2013 – 2017)