

Mohammed Ruknuddin

ML Engineer & Full-Stack Developer

PROFESSIONAL SUMMARY

Detailed-oriented C.S. student, experienced in developing ML-driven solutions using Python and JavaScript, with Front-end proficiency in NEXT.js. Strong base in fundamentals of OOP, DSA, Data Science, Cloud Computing, Linux & communication skills. Proven ability in analytical thinking, collaborative skills and a highly motivated self-starter.

CONTACT DETAILS

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TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, JavaScript, TypeScript, SQL, HTML, CSS

Libraries & Frameworks: React.js, Next.js, Node.js, PyTorch, scikit-learn, TensorFlow,

Tools & Platforms: Git Version Control, GitHub, Netlify, Vercel, Figma, Firebase, Supabase, AWS, Docker, Google Cloud

EDUCATION

Birla Institute of Technology & Science (BITS) Jan 2024
Pilani, Dubai Campus, UAE - 2028
Bachelor Of Engineering Computer Science
Activities & Clubs: Campus Leader - Notion, Career Services Division, Creative Manager - ACM BPDC, Technical Executive - Google DG

COURSES & CERTIFICATIONS

- OCI AI Foundations Associate *Oracle University*, Aug '25
- LangChain for LLM App. Dev. - *Deeplearning.ai*, Aug '25
- Introduction to Model Context Protocol - *Anthropic*, Aug '25
- AWS Educate Getting Started with Cloud Ops - AWS, '25
- Fundamentals Agile Project Management - *PMI*, Jun '25

AWARDS & ACHIEVEMENTS

- 2nd Place** - Alibaba UAE AI Hackathon 2025
- Top 2%** (from 500 participants) - Global AI Hackathon by MIT Sloan
- Efficiency Champions** – RTA Alibaba Hackathon '24
- 1st Place** - Mediathon (Microsoft Tech Club)
- 2nd Place** - WiDS Datathon 2025 Kaggle
- 2nd Place** - ThinkAI (Microsoft Tech Club)

EXPERIENCE

Management Information Systems | Career Services BITS Pilani Dubai Campus

Sep '25 - Present

- Designed and implemented internal web tools, lead generation systems, and CRM platforms to automate recruiter engagement and support digital transformation in the university's Career Services Division.

Campus Leader | Notion

Sep '25 - Present

- Leading campus-wide workshops and community-building initiatives to help students optimize their productivity using Notion, representing the Notion tool on campus.

Web Developer | Freelance

Sep '22 - Present

- Delivered client projects with 100% client satisfaction rate for web development and design projects, using tools like Figma, NEXT.js, React, Firebase and Supabase.
- SEO score of 100 on Lighthouse, and reducing page load speeds significantly. (<1s)

Creative Manager | ACM BPDC

Feb '24 - Present

- Developed technical content and User Interface for club events and workshops, using NEXT.js and Figma prototyping, wireframing and design, and django for backend.

Technical Lead | Ta'seer

Mar '24 - Dec '24

- Architected and led development of SaaS Solutions for social media industry using primarily Next.js, shadcn library, Supabase, and mobile app using Flutter using Jira

Intern | BITS Pilani Goa

Oct '24 - Dec '24

- Created engaging posters and graphics using Figma for university events and campaigns.

Technical Content | The Ruknology - YouTube

Mar '23 - Jan '24

- Produced insightful tutorials on web development and web design best practices (5k+ views) for web fundamentals, including React, Node.js, NEXT.js and Firebase.

Creative & Technical Executive | Google DG - BITS Pilani

Sep '24 - Jun '25

- Developed technical content and UI for club events and workshops at Google Developer Groups in our university using Figma, NEXT.js

RELEVANT PROJECTS

- Framestorm**- GenAI based pipeline for viral video creation. Used LangGraph, Google Gemini API, Azure OpenAI Sora.
- Taxi Demand Optimization:** (RTA Hackathon Efficiency Champions Project), optimizing taxi fleet movement using agglomerative clustering and random forest regression. FastAPI, Next.js Frontend, Alibaba Cloud, Docker.
- Dynamic Backdoor on Federated Learning** (research project) Developed a high accuracy poisoning attack system for decentralized data sets using PyTorch, and scikit-learn.
- Mawaheb** - Hackathon Project, Engineered an innovative full-stack app using Next.js, FastAPI, & Perplexity LLM to generate personalized career development roadmaps based on continuous learning for UAE professionals.
- Split Learning for Energy Efficient ML Ops** - Data Science Course Project, developed & presented research and statistics on model efficiency and privacy in decentralized environments. Using PyTorch, Matplotlib, Numpy, NEXT, FastAPI.