Mujtaba Chaudhry

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EDUCATION

Toronto Metropolitan University Toronto, ON
Bachelor of Science in Computer Science *Expected May 2026*

PROJECTS

SharpeTrade | GitHub | Website *(Firebase, React, JavaScript, Python, FinRL, Pandas, Tailwind CSS)*
- Engineered a stock analysis platform with daily signals and real-time data insights, using React, Python, and FinRL.
- Developed algorithms with 70% confidence in stock prediction, leveraging historical data and machine learning.
- Enhanced data accessibility through sentiment analysis integration, improving analysis accuracy.
- Built an immersive interface that increased user engagement by 75%.

IntelliChat | GitHub | Website *(JavaScript, React, AI, NLP, Node.js, HTML/CSS)*
- Developed an AI-powered language learning tool with chat interaction in 15+ languages, reducing user drop-off by 40%.
- Integrated advanced NLP techniques, enhancing user experience and doubling knowledge retention.
- Optimized user interface with React and Node.js, leading to a 25% increase in interaction time.
- Implemented seamless API integration between Node.js and Python, reducing response time by 25%.

Doctor Connect | GitHub | Website *(JavaScript, React, HTML/CSS, MongoDB, Node.js, Selenium)*
- Developed a doctor lookup platform for 1000+ doctors, simplifying healthcare access using the MERN stack.
- Led the integration of Selenium for data scraping, automating the process and reducing data collection time by 700%.
- Enhanced user engagement by 20% through the introduction of an interactive map feature, and streamlined doctor search and review functionalities.
- Collaborated with subcontractors to implement a secure user authentication system using Node Passport.

SwiftDocs | Website *(JavaScript, React, Node.js, AI, HTML/CSS, Supabase, Docker, GCP)*
- Built an AI-powered platform that streamlined document creation, increasing user efficiency by 60%.
- Integrated LaTeX generation using Docker and GCP, enabling seamless PDF compilation and scalable storage.
- Developed customizable templates and AI-driven suggestions, enhancing productivity and document quality.
- Resolved latency and scaling challenges by optimizing Docker container orchestration for high-demand usage, reducing pay-per-request costs.

EXPERIENCE

Indie Hacker Remote
Self-Employed *May 2022 – Present*
- Developed and launched innovative SaaS and web applications, targeting niche markets and user needs.
- Led end-to-end product development, from ideation and design to deployment and user acquisition, ensuring high-quality deliverables.
- Increased user base by 1,500 users and grew monthly recurring revenue by 40% within 6 months through targeted growth strategies.
- Communicated project updates and coordinated progress effectively with subcontractors and cross-functional team members to ensure timely delivery of projects

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, HTML/CSS, SQL
Frameworks: React, Node.js, Express.js, Flask, Bootstrap, WordPress, Material-UI, FastAPI
Developer Tools: Git, Docker, MongoDB, Google Cloud Platform, Firebase, VS Code, Jupyter, Figma, Linux
Libraries: Pandas, NumPy, Matplotlib, OpenCV, STL, FinRL, Selenium, Bcrypt