Saad Chowdhury

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EDUCATION

General Assembly   Toronto, ON
Software Engineering Immersive – Full-Stack Development

McMaster University   Hamilton, ON
H.B.Sc., Honours Life Sciences

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, Python, HTML5, CSS, SQL, MongoDB, PostgreSQL, Node.js, Express, React.js, Django, Tailwind CSS, Bootstrap, Docker, Redis.
Dev Tools & Platforms: Git, GitHub, Netlify, Heroku, Amazon S3, Google OAuth, JWT Auth, RapidAPI, OpenAPI.
Key Competencies: RESTful APIs, Front-end and Back-end architecture, User authentication, Responsive UI, Data modeling, Deployment pipelines, CRUD operations, Agile workflows.

EXPERIENCE

Outlier.ai   Remote
AI Training and Prompt Engineering   *2025*
- Engineered structured training prompts and scenario scripts using advanced English grammar, syntax, and tone control to help fine-tune LLMs across diverse domains.
- Executed quality assurance (QA) protocols in cross-functional workflows, contributing to scalable model improvement pipelines.
- Maintained documentation for model training logic and edge cases to inform iterative improvement and long-term development strategy.

Riot Games via Directly   Los Angeles, USA (Remote)
Technical Support Specialist   *2018*
- Diagnosed and resolved complex technical issues across platform systems using custom troubleshooting protocols.
- Improved user response efficiency by 20% by creating optimized workflows for common ticket types.
- Collaborated with internal teams to streamline documentation and feedback loops, increasing solution accuracy and reducing turnaround time.

PROJECTS

ShowTime | *React, Node.js, Express, MongoDB, Mongoose, REST, Render*
- Designed and built a RESTful **Node.js/Express** API and **Mongoose** data models for users, lists (Plan to Watch/Watching/Completed), and show metadata.
- Developed a responsive **React** UI with client-side routing and hooks; integrated the **Jikan** (MyAnimeList) API for search, trailers, and cast details.
- Configured **Render** services for separate client/server, managed secrets via env vars; used **GitHub Flow** (branches/PRs) and Agile task tracking (Trello).

Sushi & Sides | *React, Node.js, Express, MongoDB, Mongoose, JWT, REST, Render*
- Implemented an authenticated **MERN** ordering flow: sign up/login (**JWT**), browse by category, add to cart, update quantities, checkout (mark orders paid), and view order history.
- Modeled products, carts, and orders with **Mongoose** schemas; added input validation, robust error handling, and clean REST endpoints for CRUD operations.
- Built a component-driven **React** UI with accessible forms and responsive layout; handled API state, loading, and error UX; configured **Render** service settings and simple CI/CD via GitHub pushes.

GarageGuru | *Django, Python, Django ORM, Cloudinary, HTML/CSS/JS, Render*
- Developed a social app for automotive posts with **Django** views, templates, and models supporting create/read/update/delete, likes, comments, and keyword search.
- Integrated **Cloudinary** for secure media storage/uploads; added auth-aware UI and permission checks for user actions.
- Optimized database access using **Django ORM** query patterns (select/prefetch where applicable) and sensible indexes; documented setup, migrations, and env configuration.