

Tanmay Saxena

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GitHub: github.com/Jawsenigma — Portfolio: jawsenigma.github.io

SUMMARY

- Full-stack developer with 3 years of experience building scalable web applications, optimizing 1TB+ data pipelines, and improving performance by 87.5%. Skilled in React, Django, Golang, PostgreSQL, and CI/CD to build high-performance solutions.
- Specialized in designing scalable RESTful APIs for high-performance and low-latency applications, with a strong focus on maintainability and scalability. Skilled in Agile, collaborative development, and Git version control.

EDUCATION

- University of Florida** Gainesville, FL
Master of Science (MS) - Computer Science (GPA: 3.89) August 2023 - May 2025
- SRM Institute of Science and Technology** Chennai, India
BTech in Electronics and Communication Engineering (Percentage: 85.76%) August 2016 - May 2020

SKILLS

- Programming Languages:** Python, Java, Golang, C++, JavaScript, SQL, Rust, Typescript
- Frameworks/Tools:** Angular, React, Next.js, Node.js, Django, Flask, Express.js, GitHub Actions
- Technologies:** Docker, Google Cloud, RESTful APIs, GraphQL, CI/CD, Git
- Data Skills:** MongoDB, PostgreSQL, MySQL, PowerBI, Data Preprocessing, Data Pipelines

EXPERIENCE

- Applyin.co** Remote
SDE Intern June 2024 - Aug 2024
 - Developed and maintained scalable frontend components using React and Angular, ensuring responsive and user-friendly interfaces. Integrated secure payment gateways and optimized site performance, reducing load time by 30%.
 - Designed and implemented RESTful APIs with Node.js, integrating seamlessly with front-end applications. Developed backend services with Node.js and Django, achieving 95% accuracy in grammar-spellcheck modules using OpenAI.
 - Created and tested prototypes for writing assistant features, enhancing usability through animation and feedback-driven iterations. Implemented MVC architecture for web applications, improving code maintainability and scalability.
 - Developed a story-builder tool to generate prompts and creative suggestions, improving user interaction by 25%.
- Tata Consultancy Services Ltd.** Bengaluru, India
Systems Engineer Jan 2021 - May 2023
 - Developed a full-stack web application to automate ADAS vehicle log analysis, reducing manual effort from 1 hour to 5-10 minutes, achieving an 87.5% efficiency gain and improving accuracy.
 - Built RESTful APIs with Django and PostgreSQL, optimizing retrieval of 1TB+ log data and cutting query execution time by 60% while ensuring security using internal infrastructure.
 - Scaled adoption from 15 to 75+ users across multiple teams by improving system usability with a React-based frontend, enhancing collaboration and accessibility.
 - Worked in an Agile environment, implementing Lean Six Sigma (LSS) principles to streamline workflows, automate deployments via CI/CD, and reduce update cycles by 50%.

PROJECTS

- UniBazaar - University Marketplace :** *Tech Stack: Golang, MongoDB, React, Tailwind CSS, Docker*
 - Solving the challenge of campus-specific second-hand trading, UniBazaar enables secure and localized transactions for students. Architected a scalable backend using Golang and MongoDB, implementing robust RESTful APIs for marketplace functionalities.
 - Designed and built university-specific pages for localized transactions, enabling students to buy, sell, and trade within their campuses. Developed a category-based search system and implemented in-app bidding, enabling users to negotiate deals directly through a secure messaging system.
- Essay Evaluator- :** *Tech Stack: Python, Django, OpenAI API, PostgreSQL, React*
 - Addressing the challenge of time-consuming manual essay evaluation, this Django-based web app leverages AI-powered text analysis to streamline grading and feedback increasing grading efficiency by 40%.
 - Integrated Google SSO authentication for secure user management. Built a history tracking system, allowing students to review feedback on past essays. Designed a clean and responsive UI using React and Bootstrap.
- Library Books Management:** *Tech Stack: Python, Data Structures (Red-Black Tree, Binary Min Heaps)*
 - Designed an efficient book management system with optimized search and reservation algorithms.

ACHIEVEMENTS

- Tata Consultancy Services:** Recipient of On-the-Spot Award at TCS for delivering 100% customer satisfaction.,