Tanmay Saxena

Linkedin: linkedin.com/in/tanmay–saxena
Github: github.com/Jawsenigma

Email: tanmaysaxena@ufl.edu
Mobile: +1 (352) 721 4719
Portfolio: jawsenigma.github.io

OBJECTIVE

Detail-oriented front-end developer with almost 3 years of experience in building responsive, intuitive, and scalable web applications. Skilled in JavaScript, React, and modern web development practices. Seeking to leverage my expertise in a dynamic environment to create impactful user experiences and drive product innovation.

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 SUMMARY

- **Languages**: Python, C++, JavaScript, Natural Language Processing, Machine Learning, Deep Learning, Statistics
- **Tools**: Docker, Postman, Figma, PostgreSQL, MySQL, PowerBI, Data Mining , Data Solutions, Git, Google Cloud
- **Frameworks**: Django, Angular, React, Node.js, TensorFlow, PyTorch, Agile, Software Development Life Cycle (SDLC)
- **Courses**: Adv.Data Structures, Applied Machine Learning Systems, Analysis of Algorithms, User Experience Design

EXPERIENCE

- **Applyin.co** — Remote
  SDE Intern — *June 2024 - Aug 2024*
  - Developed and maintained frontend components using React and Angular, ensuring responsive and user-friendly interfaces. Implemented backend services with Node.js and Django.
  - Designed and implemented RESTful APIs using Node.js, integrating with front-end applications for full-stack development.
  - Applied Agile methodologies to manage project workflows and ensure timely delivery of software features and updates.
  - Created and tested prototypes for new product features, iterating designs based on feedback and data-driven insights. Implemented MVC architecture for web applications, improving code maintainability and scalability.

- **Tata Consultancy Services Ltd.** — Bengaluru, India
  Systems Engineer — *Jan 2021 – May 2023*
  - Developed and tested 21 Advanced Driver Assistance Systems (ADAS) features such as AEB,LCC,LDW etc. for GM vehicles, enhancing vehicle safety and performance.
  - Trained new recruits on ADAS development, conducting technical sessions to onboard members and improve project knowledge. Increased team efficiency by 80% through development of Python Tkinter GUI for streamlined workflows.
  - Created interactive Power BI dashboards for GM to visualize and analyze 5-6 years of historical vehicle testing data with the latest data, enabling comparison of key performance metrics. Implemented data preprocessing and pipeline techniques to harmonize legacy and current datasets, improving data quality and consistency for analysis.

- **BSNL RTTC** — Lucknow, India
  Intern — *May 2018 – June 2018*
  - Summer Training Programme with a focus on Broadband Technology, Mobile Communication (GSM, CDMA, LTE), MPLS (Multi Protocol Label Switching), Fibre Optics Technology, and PCM Principles.

PROJECTS

- **Essay Evaluator- Developed a Django web application for evaluating essays using the OpenAI API**:
  - Allowed users to submit essays with a title and body text of up to 500 words. Integrated OpenAI API to provide feedback on essays, including spelling errors, content relevance, and scoring. Implemented Google SSO for user authentication.
  - Enabled prompt editing through the admin panel. Displayed a history of submitted essays with feedback and submission dates. Designed a basic, user-friendly interface for submitting essays and viewing history.
- **RISC-V Simulator**:
  - Developed a Python-based RISC-V simulator incorporating parsing, execution, and disassembly functionalities, facilitating the loading, interpretation, and simulation of RISC-V assembly programs, yielding comprehensive disassembly and simulation outputs for in-depth analysis.
- **Advanced Library Management System Architecture**:
  - Implemented library management system with Red-Black Tree for book management and Binary Min Heaps for reservations, supporting various operations. Program structured with classes like RedBlackNode, RBTree, MinHeap, GatorLibrary, Book, and Patron, each with methods for seamless execution of operations, providing user-friendly interface for effective management.

ACHIEVEMENTS

- **Tata Consultancy Services:** Awarded On the Spot Award for 100% customer satisfaction index.,

- **Certificate of Excellence for SRMMUN'19**