Mukund Mittal

Web Developer | Python Developer

✉ mukund.mukulmittal@gmail.com   📞 7982473691   ⊙ mukund1606   in mukund1606

ABOUT ME

I am a **final-year B.Tech student at SRM University, Sonepat**, specializing in **Computer Science and Engineering**. I am a passionate **full-stack web developer** and **Python programmer** with practical experience building **dynamic web applications**, APIs, and **scalable software solutions**. Proficient in modern technologies such as **React, Next.js, FastAPI, and Docker**, and I have a keen interest in exploring **web technologies** and **machine learning**. I am focused on **continuous learning** and creating **practical**, **efficient** projects.

EDUCATION

SRM University, Sonepat

Bachelor of Technology in Computer Science and Engineering - GPA: 8.8   2021 - Present

VSPK International School

Senior Secondary (XII) - 97%   2020 - 2021

PROJECTS

SSA Web Portal ↗   Mar 2024 - Present
- Developed a **fully responsive ERP system** for managing inventory, students, staff, courses, and performance statistics, serving **approximately 700 users.**
- Implemented **dynamic data fetching** and integrated a **MySQL database**, improving data retrieval speeds by **30%** and ensuring efficient management of over **10,000 records**.
- Utilized **Next.js** to handle frontend and backend functionality, delivering a seamless user experience with 99.9% uptime.

Python TTS Server ↗   July 2024 - Aug 2024
- I have created a **high-performance TTS (Text-to-Speech)** server using Python and FastAPI.
- Delivered and **compressed audio output in WAV and Base64 formats** from text input, reducing response size by **30-40%**.
- Optimized performance by integrating **Redis for caching**, reducing TTS processing time by **80%**.

Low-Fi Nance Band ↗   July 2023 - Aug 2023
- **Collaborated** with a **team of 4** to develop a **Streamlit-based app** for playing **virtual instruments** using **OpenCV** for smooth **60fps hand gesture detection**.
- Used **Selenium** to scrape content from **ChatGPT**, enabling **dynamic lyrics generation** based on user prompts.
- Enhanced **user engagement** with additional features like a "**Virtual Painter**" tool for on-screen drawing.
- Designed a **real-time audio playback system** that allowed users to hear instrument sounds instantly while interacting with the app.

Cricbuzz and AlternativeTo Scraper ↗   July 2023 - July 2023
- Built **web scrapers** to extract **real-time cricket data** from **Cricbuzz** and **alternative app suggestions** from **AlternativeTo**.
- Contributed to the **Scrape Up open-source project** with **fully documented** and **easy-to-use functionality**.
- Enabled **seamless integration** for users to access **cricket stats** and discover **alternatives to premium apps**.
- Implemented **error handling and retries**, ensuring that the scrapers maintained a **99% success rate** despite intermittent network issues or website changes.

Price Finder   Apr 2023 - May 2023
- Developed a **web app** to fetch data from **BusyWin Accounting Software**, presenting it in a **user-friendly interface** for easier analysis and decision-making.
- Implemented a **secure login system** using **Auth.js**, to enable **access control** for **approximately 100 users**.
- Added a **barcode scanner** to efficiently fetch product information, reducing lookup time by **40%**.

SKILLS

- **Languages:** Python, JavaScript, TypeScript
- **Front-end:** HTML, CSS, Tailwind CSS, React.js, Next.js, Streamlit
- **Back-end:** Node.js, Hono, FastAPI, RESTful API design
- **Databases:** MySQL, MongoDB, PostgreSQL, Prisma ORM
- **Tools:** Git and GitHub, Vercel, Postman, Docker

CERTIFICATES

0 to 100 Full Stack Web Development Course ⤤
- Completed Full-Stack Web Development as part of the 0 to 100 Cohort led by Harkirat Singh.
- Gained expertise in modern web development tools and practices, including front-end and back-end.

The Complete 2023 Web Development Bootcamp ⤤
- Learned and applied core web technologies including HTML, CSS, JavaScript, Node.js, Express, React, and MongoDB.
- Built multiple projects to strengthen practical development and problem-solving skills.

Chrome DevTools Course ⤤
- Finished the Chrome DevTools course by Mehul Mohan on Codedamn.
- Mastered debugging techniques, performance profiling, and web development optimization using Chrome DevTools.

Git Learning Journey ⤤
- Concluded the Git Learning Journey by Anna Skoulikari on Codedamn.
- Acquired advanced knowledge of Git fundamentals, branching strategies, collaboration workflows, and best practices for version control.

ACHIEVEMENTS

AIR 2340 in GATE CS
- Achieved an **All-India Rank of 2340** in GATE CS with a **GATE score of 606**, demonstrating strong proficiency in computer science concepts and problem-solving.

91 Percentile in JEE Mains
- Achieved **91 percentile** in the highly competitive JEE Mains examination.

1st Position in Zonal and Center-Level Science Exhibitions
- Secured **first place** at both zonal and center-level science exhibitions for an innovative IoT model on **Li-Fi technology**, featuring a custom-designed circuit and code.