

Udip Mandora (Web Developer | Project Manager)

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PROFESSIONAL EXPERIENCE

Volunteer Web Developer, Toronto, ON

Dec 2023 - Present

- Designed and maintained a responsive WordPress website, ensuring smooth functionality and user experience.
- Diagnosed and resolved technical issues, enhancing site performance and minimizing downtime.
- Collaborated with cross-functional teams, providing web development expertise and technical guidance.
- Took on leadership roles, aligning web strategies with organizational goals for effective project execution.

Co-Op Lead Web Developer, Toronto, ON

May 2023 - Aug 2023

- Redesigned website layout, increasing user engagement by 40% and improving navigation efficiency.
- Optimized website performance, reducing page load time by 40% and bounce rate by 15%.
- Implemented user-friendly features, enhancing session duration and overall usability.
- Managed version control using Git, ensuring seamless team collaboration and project tracking.

Web Developer, Olbuzz, Ahmedabad, Gujarat

May 2021 - June 2022

- Developed full-stack web solutions, enhancing site responsiveness and user experience.
- Integrated APIs to optimize website functionality and improve data retrieval efficiency.
- Assisted in digital marketing efforts, contributing to a 10% increase in lead generation.
- Expanded user base by 15% through strategic front-end and back-end enhancements.

MARK Voice Assistant, Personal Project

Jan 2021 - Present

- Engineered an AI-powered voice assistant using **Python** and **QT Designer (C++)**, integrating **NLP and automation** to execute over 40 PC tasks via voice commands. Currently enhancing its intelligence by **training AI models** for improved accuracy, task execution, and security through encrypted voice authentication.
- Enhanced security with voice-activated encryption, ensuring access is restricted to authorized users, while utilizing Python libraries for AI tasks such as scientific calculations, GPS tracking, and email management. Currently working on training the AI models to further enhance the assistant's capabilities and improve task performance.
- Used python to provide encryption based on Hexadecimal to secure user data and only through specific user's voice command will it be decrypted.

SKILLS

Programming Languages	C#.NET, JavaScript, Python, C++, PHP, Java, C
Databases	MS SQL Server, MongoDB, PostgreSQL, MySQL, MariaDB
Web Technologies	ASP.NET Core, React.JS, Node.JS, Express.JS, Next.JS, REST API, Hibernate, MERN Stack, Laravel, Android, Drizzle ORM, Bun, Kinde Auth, ShadCN UI, TailWind CSS
ML Technologies	Numpy, Pandas, Jupyter Notebook
Tools & IDEs	Git, Anaconda, VS Code, PyCharm, Eclipse, Sublime, Figma, Slack, MS Teams, Trello, Jira, Postman, Vercel, NPM

EDUCATION

Humber College of Technology | PG Diploma, Project Management

Sep 2023 - April 2024

Toronto, ON

Coursework: PMBOK Management 6th Edition Practices, Risk Analysis, Monte-Carlo Analysis. **Capstone Project: Winning Team 2024**

Humber College of Technology | PG Diploma, Web Development

Sep 2022 - Aug 2023

Toronto, ON

Coursework: Node.JS, React.JS (MERN), JavaScript, C#, ASP.NET, HTML/CSS, PHP (Vanilla | Laravel), Database (SQL | NoSQL), Figma, GIT, Pet Project, Capstone Project

Ganpat University | Bachelor's Degree, Software Development

Aug 2018 - June 2021

Ahmedabad, Gujarat

Coursework: Data Structure & Algorithms, Database Management Systems, Advanced Java, Dot Net Technology, Mobile Computing & Wireless Communication, Computer Organization, Artificial Intelligence & Machine Learning

ACADEMIC PROJECTS

LEGO Smart System

Jan 2023 - April 2023

- Developed a LEGO Smart City using PHP (Laravel), React.js, MySQL, and Raspberry Pi, integrating multiple systems such as Pixelate, Radio, GPS, and Colors.
- Designed and implemented a full-stack solution, using Laravel for the Back-End to generate APIs that interact with the front-end in React.js and store data in MySQL, enhancing functionality and connectivity in the Smart City environment.

Passion Project for Mental Health

Feb 2023 - Apr 2023

- Developed a mental health-focused web application using JavaScript, C#, and HTML, implementing CRUD operations to allow users to create, read, update, and delete health-related issues and exercises.
- Created a dynamic platform where users can track and manage mental health exercises and issues, enhancing engagement with tailored suggestions while providing full control over their entries through seamless CRUD functionality.

NASA & TESLA API Project

Jan 2023 - Apr 2023

- Built an API-driven web app using JavaScript, React.js, HTML, CSS, and Bootstrap to display dynamic data from NASA and SpaceX APIs.
- Implemented cross-API configuration to fetch and merge data from NASA's rover images and SpaceX's Tesla Roadster updates, creating a unique, interactive experience for users.