

MARMIK PATEL

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TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C, SQL, HTML, CSS

Technologies: React.js, Node.js, Express.js, MongoDB, JavaFX

Developer Tools: Git, AWS, Linux/Unix Environment, UML, Visual Studio Code, IntelliJ, Android Studio, Figma

WORK EXPERIENCE

Infokidz Academy

May 2022 - Aug 2022

Software Developer Intern

Edmonton, AB

- Architected a **full-stack** web application serving as the primary business website using the MERN stack (**MongoDB, Express.js, React.js, Node.js**) and HTML/CSS, increasing company traffic by **975%**.
- Engineered a **REST API**, creating various endpoints to handle admin operations, form submission, and login.
- Designed **server-side logic** to store files in an **AWS S3** bucket and metadata on MongoDB for scalability, displaying hundreds of academic worksheets to users.
- Implemented user authentication using **Google OAuth 2.0** and PassportJS, securing vital functionality.
- Automated the company workflow to register new clients and handle FAQ, **saving 23 annual hours**.

LEADERSHIP EXPERIENCE

PlantForever

Aug 2017 - Present

Founding President

Edmonton, AB

- Lead a nine-person executive team and 30 volunteers using excellent **verbal and written communication skills**, (in)directly planting over 10,000 trees.
- **Collaborated** to initiate a climate campaign to raise awareness, engaging over 1,700,000 individuals.

PROJECTS

Relatable

Sept 2022 - Nov 2022

Course Project / ([Github Link](#))

- Engineered a **full-stack** university course graph using **Python, Django, React.js, MySQL**, and HTML/CSS, generating relationships between 80 programs and 4609 courses.
- Designed a **relational database** to define 7336 prerequisite and dependency course relationships.
- Programmed an HTML **web scraper** to obtain university course data, parsing thousands of descriptions.
- **Led a team of five** using **Agile**, facilitating communication and producing iteration timelines.

CarChat

Aug 2022 - Oct 2022

Personal Project / ([Link](#))

- Developed a **web scraper** that collects trending automobile discussions and news using the **MERN** stack, dynamically displaying social media posts.
- Constructed an **object-oriented** data categorization **algorithm**, sorting web posts into three collections.
- Integrated backend API with **Reddit's API**, parsing thousands of lines of JSON data.

Student Residence System

Sept 2021 - Dec 2021

Course Project

- Integrated Command, Strategy, and Singleton **software design patterns** through 17 classes/interfaces, assembling a **Java object-oriented system** that captures a university residence organization.
- Tested 52 methods by writing unit tests using **TDD**, verifying modularity and input versatility.

EDUCATION

University of Saskatchewan

Sept 2021 - Apr 2024 (Expected)

Bachelor of Science, Computer Science. GPA: 3.9/4.0

Saskatoon, SK

University of Toronto

Sept 2020 - Aug 2021

Bachelor of Science, Computer Science, Mathematics, Statistics

Toronto, ON