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 a 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: 4.0/4.0   *Saskatoon, SK*

University of Toronto   Sept 2020 - Aug 2021
Bachelor of Science, Computer Science, Mathematics, Statistics   *Toronto, ON*