Shrill Patel

CONTACT

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Portfolio
INSERT PERSONAL WEBSITE HERE

TECHNICAL SKILLS

Programming Languages:
Java (proficient), Python (proficient), C++ (competent), HTML, CSS

Tools:
Django, AWS, NumPy, Pandas, Selenium, Android, Web Design, MySQL, Bash, MATLAB, Git, MS Office (Word, Excel, PowerPoint)

Operating Systems:
Windows, Linux, MacOS

EDUCATION

McMaster University
B.Eng. Software Engineering
2019 to Present | Hamilton, ON

Bur Oak Secondary School
Ontario Secondary School Diploma
2015 to 2019 | Markham, ON

AWARDS/DISTICTIONS

Academic Honour Award Recipient at McMaster University

Co – Op Award for Excellence in YRDSB

Invited to Golden Key Honours Society

Placed top 20 in FIRST Competition

INTERESTS

Robotics, Cooking, Basketball, Travelling, Hackathons, Nature

TECHNICAL/WORK EXPERIENCE

Assistant Programmer and QA Tester | Genexis Design Inc.
February 2018 to June 2018 | Markham, ON
- **Programmed front-end** features for an office space design visualization software for their client
- Conducted **thorough analysis** of features and **debugged** any issues with them through code
- **Coded** a way for the program to output a bill of materials through **Excel** and updated when a change was made
- Brainstormed ways of making aspects of their program more **user friendly**
- Created personalized guidelines for **QA Testing** of any software
- Participated in weekly meetings and developed **software project management skills**

Co-Founder & Full-Stack Developer | Owl Web Solutions
July 2020 to Present | Markham, ON
- Founded a company that helps local small-business owners create an online presence through **web applications**, helping them reach a wider client base
- Deployed **full-stack** web applications using **Python & Django** for clients which are supported by **MySQL** databases
- **Communicated** with clients to create an **optimal product** suiting their business needs

Team Programmer | FIRST Robotics
September 2017 to March 2019 | Markham, ON
- **Devised** and programmed **algorithms** used for the movement and **autonomy** of our robot
- **Educated** team members on certain programming aspects integrated into our robot
- Assisted in **troubleshooting** of any equipment failure or code
- Communicated with team members consistently to maintain an **effective working environment**

RELAVENT COURSES/PROJECTS

Computation: Python Programming | GPA: 4.0
- Solved **engineering problems** by designing algorithms and implementing them in **Python**
- Formulated **test plans** to analyze the integrity of programs
- Utilized the **PyCharm IDE** to complete given tasks with **high efficiency**
- **Developed** an **A* pathfinding visualizer** to help others understand how the algorithm functions
- Created a **password management system** (PasswordValut) using the **SQLlite3** database framework

Principles of Programming: Java | GPA: IP
- Implemented **data structures**, **methods**, and **algorithms** in programs following **OOP**
- Formed **recursive methods** to implement **binary search trees**
- Analyzed **efficiency** and **complexities** of various programs
- **Created** an **open source** & self-taught **Java tutorial** that beginners can follow to develop foundational skills

Software Engineering Practice and Experience | GPA: IP
- **Redesigned** and **organized** problems into smaller **subproblems** to complete assignments
- Devised **NASH scripts** with error processing using the **bash** and **UNIX** shells
- Formulated, designed and built **NASM** programs with **I/O**