FAIZAN PARABTANI

MEng. Systems and Technology – McMaster University

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PROFESSIONAL SUMMARY

- Impact-driven software developer with over a year of experience specializing in Python, Django, and Django REST Framework for building scalable web platforms and APIs
- Demonstrated proficiency in automating web applications using Selenium, significantly enhancing testing efficiency
- Skilled in Power BI, utilizing DAX functions and Power Query to transform data and develop dynamic visualizations that drive data-informed decision-making
- Proficient in facilitating clear communication, managing cross-functional relationships, and enhancing team cohesion

EDUCATION

Master of Engineering, Systems and Technology   January 2023 – December 2024 (Expected Graduation)

McMaster University, Hamilton, ON

- **GPA: 3.9/4**
- Specialization: Automotive
- Relevant coursework: Deep Learning, Visual Perception for Autonomous Vehicles, Leadership for Innovation, Advanced Robotics and Automation, Electric Drive Vehicles, Practical Project Management for Today's Business Environment

Bachelor of Engineering, Information and Technology   July 2018 – March 2022

Mumbai University, Mumbai, India

- **GPA: 3.72/4**
- Project: Modelling A.I. driven instrumentation of an Autonomous Car
- Relevant coursework: Artificial Intelligence, Advanced Data Structures and Algorithm, Infrastructure Security, Big Data Analytics, Engineering Mathematics, Python Programming, Advanced Database Management Systems
- Certification: Specialization - Self-Driving Cars, University of Toronto Coursera, Link

PROFESSIONAL EXPERIENCE

Engineering and Technical Services Excellence Co-op, Sanofi Pasteur, Toronto   September 2023 – August 2024

- Developed cost-saving automation scripts using Selenium (Python) for SAP S/4 HANA, boosting process efficiency by 98.9% and saving over 150 hours annually
- Earned recognition from Site Head and Senior Leadership Team for pioneering automation solutions, achieving significant time savings across departments
- Led cross-functional collaboration with Metrology, Compliance, Maintenance, Project Management, Project Controls, and Supply Chain to deliver impactful technical solutions
- Spearheaded the conceptualization, design, and meticulous management of Power BI dashboards, orchestrating development pipelines and implementing data transformation for improved decision-making
- Mentored a co-op student in automation script writing and maintenance equipping them with essential skills and fostering a culture of continuous improvement

Project Support Assistant, University Technology Services, McMaster University   May 2023 – September 2023

- Developed PowerShell scripts to automate the transition from all McMaster Electronic Distribution Lists (EDL) to Microsoft Distribution Groups (DG)
- Automated the extraction of group members from EDLs through automated Selenium Python scripting, significantly enhancing efficiency

- Authored articles spotlighting Microsoft 365 advancements, tailored for faculty, students, and instructional staff, fostering informed engagement

Web Development Intern, Profundity India   September 2021 – December 2021
- Developed a comprehensive website for students to take entrance exam assessments
- Engineered the database architecture using Entity Relationship Diagrams and REST API
- Implemented user authentication, test management, and result tracking features using Django REST Framework
- Set project milestones and led daily scrums, ensuring timely delivery and team coordination

Web Development Intern, Bridging the Gaps Inc., North Carolina (Remote)   September 2020 – June 2021
- Conceptualized and developed a website to monitor users' health data, promoting enhanced self-care
- Employed Agile SDLC methodologies for requirement gathering, feature definition, and UX/UI design using Figma
- Created relational database schema design and web application development to ensure comprehensive project execution using Django and Django Rest Framework

PROJECTS

Air Doodling with Google Cloud Platform (GCP)   August 2021
- Developed a program to track and project a specific HSV value onto a digital canvas using a camera
- Implemented functionality to save the canvas doodle as a JPEG image and utilized the Google Vision AI API to accurately convert the doodle into text
- Integrated with the Evernote API to seamlessly upload the extracted text to a note-taking app, streamlining data transfer and storage

Farm To Fork (Smart India Hackathon)   April 2020
- Conceptualized and developed an e-commerce grocery web app empowering farmers by eliminating middlemen, allowing farmers to list products via text message
- Implemented a delivery agent system with OTP verification, boosting farmers' profits by 40% and offering customers a 15% discount compared to traditional systems
- Collaborated with a team of three to automate messaging to database functionality and streamline backend flow using PHP development

TECHNICAL SKILLS

Programming Languages	Python, Java, C, C++, JavaScript, PowerShell
Frameworks	Django, Flask, TensorFlow, PyTorch
Database Systems	MongoDB, MySQL, PostgreSQL
Tools	AWS, Azure, GCP, Postman, Jira, Jenkins, Docker, Figma, Office365, Linux, Power BI

EXTRACURRICULAR ACTIVITIES

CodeCell Committee Member   September 2019 – March 2022
- Demonstrated leadership skills by heading the hackathon judging process in TSEC Hacks 2022
- Formulated the judging schedule for Hackathon – TSEC Hacks 2021, showcasing strong organizational skills

VOLUNTEERING EXPERIENCE

Workshop Facilitator - McMaster Children and Youth University, Hamilton ON   May 2024
- Facilitated a design thinking workshop tailored for youth, aiming to foster creative problem-solving and innovation among participants

Committee Member - Ismaili Professionals Network Mumbai Chapter, Mumbai India   March 2020 – March 2022
- Organized and hosted a webinar on AWS attended by over 300 participants