RISHABH GARHEWAL

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SUMMARY

- More than 2 years of experience as a Data Analyst and 5+ years of experience as a Computer Science teacher.
- Recently graduated in Electrical-Computer Engineering from the University of Ottawa, Ottawa, Canada.
- Passionate about Operations Excellence, Full Stack Development and Data Science Applications.

EDUCATION

University of Ottawa, Ottawa, Canada　　　　　　　　　　　　　　　　　　**Sept 2018 – March 2020**
Master's in Electrical-Computer Engineering　　　　　　　　　　　　　　　　　　　　**GPA: 8.4/10.0**

RGPV University, Bhopal, India　　　　　　　　　　　　　　　　　　　　　**Sept 2011 – June 2015**
Bachelor's in Electronics and Communication Engineering　　　　　　　　　　　　　　**GPA: 7.14/10**

SKILLS

- **Programming Languages**: Java | SQL | HTML | CSS | C++ | C#
- **Scripting Languages:** Python | JavaScript | JShell | Mac Terminal | Windows Command Prompt
- **Database Systems:** MySQL | Oracle | SQLite | PostgreSQL | NoSQL (Redis)
- **Data Analysis, Visualization & Mining:** Tableau | Power BI | Advanced MS Excel
- **Project Management:** MS Powerpoint | MS Word
- **IDE's:** Intellij IDEA | Eclipse | XCode | Visual Studio Code
- **Coding Platforms:** MySQL Workbench | pgAdmin | GCP Cloud | DB Browser | phpMyAdmin | JSQLite Studio | Jupyter Notebook
- **Code Editors:** Atom | Notepad++ | BBEdit | Sublime
- **Operating Systems:** Mac OS | Windows | Linux | Unix
- **Statistical Methods & Machine Learning Concepts:** Linear and Logistic Regression | Market Basket Analysis | Text Mining

WORK EXPERIENCE

G4S Secure Solutions at Shopify HQ | Assistant Supervisor | Ottawa, Canada　　　　**July 2019 – Present**

- Experience in working for a highly customer centric environment where I learn and curious about new possibilities and act to explore them.
- Compile, manage, and report daily to the supervisor and liable to building relationships across the organization.
- Deliver the highest standards by enhancing the technical aptitude to rapidly handle complex technical issues and discuss straightforwardly with technical teams that help in driving results in less time.
- Experience in simplifying complex issues by thinking big and developing the best possible outcome by influencing the team members to deliver the best outcomes.

Abhyudaya Multimedia | Data Analyst | Indore, India　　　　　　　　　　　　　　**Aug 2015 – Dec 2017**

- Design, construct, modify, integrate, implement and test data models and database management systems.
- Conduct research and write SQL scripts related to stored procedures and triggers for informatics professionals.
- Operate database management systems to analyze data and perform data mining analysis.

Hello Tutors | Computer Science Teacher | Indore, India　　　　　　　　　　　**April 2012 – April 2017**

- Leveraging my skillsets honed by working on different industry and academic projects and used them to enhance the logical skills of high school students.
- Enhance the core concepts of data structures, strings, and arrays to prepare students for various hackathons and coding competitions.
- Emphasis on enhancing the coding and debugging for fast coding skillset improvements.

Air India- Government of India | Research Intern | Mumbai, India　　　　　　　　**June 2014 – July 2014**

- Research on the performance characteristics of Honeywell HFR5-V cockpit voice recorder (CVR) technology in the electronics department and perform the decompression, overpressure and operational shocks test to predict the crash

survivability of CVR.
- Studied the architecture of Honeywell AC-27 Common Datalink Antenna, AMT-700 High Gain Antenna, CG-710 Forge Routing Software and CNX 900 and test the performance capabilities of onboard cabin networks on satellite communication (SATCOM).

ACADEMIC & INDUSTRIAL PROJECTS

Bank ATM Application

- Bank ATM System is a desktop application that can be used by customers to create bank accounts and also used to deposit & withdraw cash.
- Language: Java Core | Database: MySQL | Driver: JDBC | Concept: Swing | IDE: Eclipse | Version Control: Git & GitHub

Rishabh's Portfolio

- Developed a portfolio website to showcase my skills and projects comprised of multiple pages, transition effects and deployed the final into GitHub.
- Languages: HTML, CSS and JavaScript | Version Control: Git | GitHub

Doctor On To Go, University of Ottawa, Ottawa, Canada

- Connecting consumers and doctors worldwide. This is part of the effort to improve access to quality health care to customers who are looking for healthcare solutions directly from their homes.
- Front-end development: HTML, CSS and JavaScript | Database: MySQL | Editor: Atom

Traffic Light Controller using FPGA in Verilog, University of Ottawa, Ottawa, Canada

- System to manage the road traffic by controlling the passageway to areas shared among various intersection points and apportioning convincing time between various customers; in the midst of apex and surge hours.
- Tools used- Xilinx Virtex-7 FPGA VC709 Connectivity Kit. Software used- Vivado by Xilinx Version 18.3.

Educational Networking Website, RGPV University, Indore, India

- Designed and developed a website with a team of four that helped professors and students of universities, colleges and schools to connect with each other and share information within their own campus.
- Languages: HTML, CSS, JavaScript and PHP | Database: MySQL

Online shopping website, RGPV University, Indore, India

- Designed and developed an online shopping website and performed database programming and performance tuning.
- Front-end development: HTML, CSS and JavaScript | Database: MySQL | Editor: Sublime

AWARDS AND VOLUNTEERING

- Educational networking website was selected among the "Top 15 best startup ideas" of 2016 in India by IIM Indore, Government of India.
- Won Silver medal in Robo Race competition held in Rishiraj Institute of Technology (RIT), Indore, India.
- Won two times 1st prize in "The Best Seller" and AD-MAD-SHOW competition during undergraduate.
- Volunteer for Citronics as a Team Head of Funky Selling Ideas at RGPV, Indore, India.
- Volunteer for Yes+ Chhindwara and Help-age India.

CERTIFICATIONS AND RESEARCH PUBLICATIONS

- **Languages:** Become a Software Developer, Nov 2020 | Become a Java Programmer, Nov 2020
- **Data Science:** Master SQL for Data Science, Oct 2020 | Become a SQL Developer, Aug 2020 | Become a Database Developer, Aug 2020
- **Data Analysis, Visualization & Mining:** Power BI, Nov 2020 | Tableau, Aug 2020 | Advanced MS Excel, Aug 2020
- **Version Control:** Git Essentials, Sep 2020
- **Research Publications:** M-Health and 5G Technology, Dec 2018
- **Lean Six Sigma Green Belt** Certified, July 2015