

# Daksh Patel

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## SKILLS

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**Technical Skills:** C/C++, PHP, Python, R Language, MERN Stack, NodeJS, JavaScript, Django, Git, Docker, GCP (Google Cloud Platform) SQL, BigQuery, Vertex AI, Compute Engine, Bigtable, AWS (Amazon Web Services), NumPy, Pandas, SQL, MS Excel, MongoDB, Beautiful Soup, Matplotlib, Plotly, Tableau, Power BI, Linear and Logistic Regression, Decision Tree, SVM Classification using Scikit Learn

**Soft Skills:** Problem-solving, Teamwork skills, Adaptability, Creativity, Versatility

## EDUCATION

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**University of Calgary — Calgary, Canada**

**December 2022 to Present**

Master, Data Science and Analytics - GPA 4.0

**Gujarat Technological University — Gujarat, India**

**August 2016 to June 2020**

Bachelor of Engineering, Computer Engineering - GPA 3.68

## ACADEMIC PROJECTS

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(github.com/daksh1024)

- **Banking Customer Prediction** – Predicted the likelihood of a customer subscribing to a new banking account using logistic regression, decision tree, and LDA models in Python. **June 2023**
- **Medical Cost Prediction** – Used multiple regression to predict patient's medical costs based on their BMI, area of residence, age, existing medical conditions, etc. **April 2023**
- **End Stage Kidney Disease Analysis (ESKD)** – Analyzed and created dashboard for ESKD involving incident rates, prevalence, survival, and organ donation using Tableau. **March 2023**
- **E-commerce Clothes Store Sales Analysis** – Inspected correlation between factors such as advertisement, ratings, free shipping, color, etc. with product sale numbers using statistical methods in R. **Jan 2023**
- **Disaster Time Alert System** – Trained a decision tree model to automate a mesh of micro-controllers to predict disasters using various sensors and alerting the authorities when needed. **Feb 2020**
- **Student Engagement Analysis** – Analyzed student engagement with the university using Excel and python through their attendance records, competition participation data, university events and surveys. **Oct 2019**

## WORK EXPERIENCE

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**Software Development Engineer, Plushvie Pvt. Ltd. — Ahmedabad, India**

**Oct 2020 to May 2022**

- Led a team of 8 developers through all phases of IT project life cycle in a startup including requirements, technical design, coding, unit testing, acceptance testing and production installation.
- Project lead on the development of augmented reality based jewelry try-on video calling application involving face landmark detection and hand tracking. Turned out to be the primary product the company sells now.
- Planned and created product analytics and customer involvement dashboards automated by a python API.
- Managed entire over 10,000 man-hour releases including budget guidelines, resource allocation, timelines, and overall successful completion of the projects within budget meeting 100% service level agreements.
- Gathered project requirements, updated projects according to direct feedback from clients.
- Successfully designed and integrated ERP to incorporate coherence between CRM and the client's websites providing automation of order and inventory management.
- Developed, managed, and diagnosed complete project bigdata databases in cloud-managed SQL and MongoDB.
- Assessed the spending on live cloud instances followed by optimization and migration of projects saving \$1500 per month.
- Analyzed product usage and customer demographics and presented them to the marketing team facilitating the company's marketing campaigns.