

# Devashish Patel

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## EDUCATION

**Master in Computer Science | Texas A & M University (May 2018) | GPA – 4.00 / 4.00**

Related Courses: Analysis Of Algorithm, Cloud Computing, Neural Networks, Storage Systems, Real-Time Systems

**Bachelor in Computer Science & Engineering | Gujarat Technological University (June 2015) | GPA – 3.57 / 4.00**

Related Courses: Software Engineering, Database Management System, Operating System, Compiler Design, Data & File Structures, Web Application Development, Information Security, Business Intelligence and Data Mining

**MOOCs** – Complete Python Bootcamp, Django Full Stack Web Developer Bootcamp, Modern React with Redux, Node.js, React Native, Developers guide to MongoDB, RESTful APIs with Flask and Flask-RESTful

## TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, C#, SQL  
Databases: MySQL, Elasticsearch, MongoDB, MS SQL, PostgreSQL, SQLite  
Technologies, Frameworks & Libraries: Docker, Node.js, Express, Django, Restless-Django, Flask, Flask-RESTful, React, Redux, SQLAlchemy, React Native, Kibana, Mocha, Mongoose, HTML5, CSS3, Bootstrap, Git, GitHub, Heroku

## WORK EXPERIENCE

**Jr. Software Engineer | Critical Start INC, Dallas (August 2018)**

- Working with Django and restless on the back-end to create RESTful APIs and writing database services with PostgreSQL and Elasticsearch.
- Executing asynchronous task queues based on distributed message passing with RabbitMQ as message broker.

**Web Application Developer | D-HiT Solutions, Vadodara (June 2015 to May 2016)**

- Implemented high-quality back-end with C# and designed attractive front-end with JavaScript, HTML and CSS.
- Wrote complex queries and stored procedures in MS SQL and comprehensive unit test cases.

**Web Application Developer Intern | D-HiT Solutions, Vadodara (July 2014 to May 2015)**

- Learned to implement 3-tier ASP.net architecture in the Production environment by focusing on C#.

## PROJECTS

**Email | MongoDB - Express - React - Node.js**

- A **full-stack web application** for sending bulk emails to get feedback which has back-end with the **Node.js**, **Express** and front-end with the **React**, deployed it on the cloud Platform-as-a-Service **Heroku** with DaaS **mLab**.
- Incorporated 3<sup>rd</sup> party libraries like **Passport.js** for **Google OAuth2.0** authentication, **Stripe** for **payment process**, **SendGrid** for **email processing**.
- <https://emaily-deva.herokuapp.com>

**Webcam Motion Detector | Python - OpenCV - Bokeh**

- Open-source Computer Vision** motion detection project to detect Human Faces and different objects coming in front of webcam for a specific time period, which plots the motion graph of the activities using **Bokeh**.
- Learned to use **haarcascades XML classifiers** for **human faces and different objects detection** with OpenCV.
- Utilized Bokeh library to plot motion graphs from the data generated in CSV format from the program.
- <https://github.com/Devashish2910/webcam-motion-detector>

**BudgetApp API | Node.js - Express - MongoDB**

- Individual Budget Maintenance Application, which has back-end coded in **Node.js** and **MongoDB** as a database.
- Accomplished the deployment of back-end on the **Heroku** with the database service **mLab**.
- Utilized libraries like **Mocha** for unit testing, **Lodash** for additional utilities, **mongoose** as an ORM, **jsonwebtoken** for **JWT-Authentication**, **crypto-js** and **bcryptjs** for salting and hashing of the confidential information.
- <https://github.com/Devashish2910/BudgetApp-API> | <http://budgetapp-dgp.herokuapp.com>

**Product Search Application API | Flask - Flask RESTful - SQLAlchemy - FlaskJWT - PostgreSQL**

- RESTful API for product search application, with **Flask & Flask-RESTful**, handled the JSON Web Tokens based authentication with **Flask-JWT**. Strengthened the back-end with **SQLAlchemy** as a **PostgreSQL** tool-kit and ORM.
- Integrated deployment of Python apps on the Heroku cloud service.
- <https://github.com/Devashish2910/product-search-with-flask>