

PrateekParab

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SUMMARY

Focused, quick-learning and hardworking professional with superior multi-tasking abilities, high adaptability and pro team player qualities. Delivering value.

EXPERIENCE

Software Engineer, EAGL Technology - Albuquerque, NM	Jul 2019 – Present
<ul style="list-style-type: none">Built a real-time weapon detection system using Trueface api and cloud ML services, Python.Built an NFC mobile app using Xamarin(C#) with mfa capability and backend in Asp.net.Implemented an efficient triangulation algorithm in Python and integrated with Google maps api.Built a desktop notifier using C#, RabbitMQ to send data to the client machine.Implemented JWT authentication using C# and created a WebRTC alternative using Opencv-python and Flask.Deployed the Authentication server and media server on cloud and connected to a remote PostgreSQL db.Migrated company’s proprietary IOT code from C to Golang.Tested every line of code with Unit testing incorporating NUnit framework and unit and integration test in python.Exploited tools like Jira, Git, Jenkins and Docker.Dockerized the python code implementation.Created a Key mgmt. portal in Flask and deployed it on Google cloud platform(GCP) and digital ocean.	
Software Development Intern, Ubees Inc. - New York, NY	Jul 2018 – Jan 2019
<ul style="list-style-type: none">Developed a cross platform app in react native with app size (< 40 MB)Built an efficient tracking algorithm in android.Implemented web services using REST API.Captured and stored Real time sensor data in MongoDB with backend in node.js.Successfully migrated data from MongoDB to PostgreSQL.	
Software Development Intern, Larsen & Toubro – Mumbai, India	Dec 2016 - Jan 2017
<ul style="list-style-type: none">Implemented progressive web app using. Node.js, html, JavaScript.Developed an interactive chatbot using Microsoft QnA maker api.Developed a chatbot using Dialogflow and deployed on Facebook.	

SKILLS

Technologies:	Python, Java, C#, JavaScript, React, Node, HTML5, CSS3, Bootstrap, Git, Mongo, Bash, Node, MySQL, AWS, Django, Flask, PostgreSQL, Docker, Golang, Jira, GCP.
Operating systems:	Windows, Linux, Raspbian.
Tools:	Eclipse, Spyder, Postman, Jupyter notebook, VS code, Android studio, MS Project, Xcode.

EDUCATION

Illinois Institute of Technology, Chicago, IL	Aug 2017 - May 2019
Master of Computer Science	
Coursework: Algorithm’s, Big data, ML, Project mgmt, App devt., Web apps., Computer vision	
Mumbai University, Mumbai, India	Jul 2013 - Aug 2017
Bachelor of Engineering in Computer Science	
Coursework: Theory of Computation, Data Structures, Operating systems, Computer networks	

PROJECTS

Chat application:	April 2019
<ul style="list-style-type: none">Developed a chat application using Node.js and socket.io.Front-end developed using Express framework.Real time notification of the message along with the usernameAdded the functionality for multiple socket creation for multiple users.	
Deep learning object classification using Back propagation	Feb 2019
<ul style="list-style-type: none">Implemented pre-processing operations such as reshaping, flattening and created an image vector.Built 2 models i) A 2-layer neural net ii) L-layer deep neural network.Implemented forward and back propagation from scratch in Python and generate trained parameters.Used trained parameters to predict labels and achieved 90% accuracy.	
Implementation of facial recognition with transfer learning	Aug 2018 - Dec 2018
<ul style="list-style-type: none">Developed a neural net from scratch using Python, Tensorflow and Keras.Performed data transformation and loading on the dataset from Kaggle.Trained the neural net for those datasets and calculated precision, recall, accuracy.Implemented transfer learning and achieved higher accuracy by accurately tuning hyperparameters.	
Stock market web application project:	
<ul style="list-style-type: none">Implemented a stock market web application from scratch using Java, Apache tomcat web server.Functionalities of the project include, buying and selling real time stocks, parsing data from live json, auto fill features, graphical analysis for stocks bought.Project data operations implemented on MySQL database.	

CERTIFICATIONS

<ul style="list-style-type: none">Neural networks and Deep learning, Natural language processing, Machine learning (recommender systems)Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization.Full stack web development, Blockchain essentials, Tableau	
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