

# Prabhat Kumar Pal

[prabhatpal.14@gmail.com](mailto:prabhatpal.14@gmail.com)

+1 (214) 704-6768

14400 NE 37<sup>th</sup> PL, Bellevue, WA 98007

<http://www.prabhatpal.com>

<https://www.linkedin.com/in/prabhatpal14/>

<https://github.com/palprabhat>

## Overview

Creative web developer with over 5 years of experience dedicated to building and optimizing the performance of user-centric, high-impact website applications. Leverage technical, analytical and problem-solving skills to create dynamic, high-speed websites, apps and platforms fueling competitive advantage.

## Core Skills

- React.js, Next.js, TailwindCCss, ReasonML, Python, node.js, Rest API, HTML 5, CSS 3, SASS, JavaScript, TypeScript, React Native, Machine Learning, jQuery, Bootstrap, MySQL, PowerShell

## Experience

- ***Build Engineer at Zen3 Infosolutions America Inc. (Dec 2019 – Present)***
  - Implemented scripts to automate various stages in the deployment process. Monitor and maintain the deployment process.
  - Implemented front-end reusable components for the “Assignments” (– a complete classroom management tool by Microsoft) using ReactJs
  - Work on fixing bugs, writing efficient accessibility code and testing the application.
- ***Software Developer at Tantrum Streets LLC. (Aug 2018 – Nov 2019)***
  - Developed independent and reusable React components using ReasonML for “Autoboard” (– a merchant onboarding platform for ISOs)
  - Developed scalable micro-service APIs.
  - Refactored entire application Autoboard, to create a fast, responsive and highly scalable web application.
  - Worked on the mobile app for Autoboard using React Native.
- ***Senior Systems Engineer at Siemens Healthcare Pvt. Ltd. (Sept 2016 – July 2017)***
  - Implemented modules for a library which was being used by multiple projects process images scanned from a CT scanner machine.
  - Implemented automated test modules for multiple functionalities.
- ***Senior Software Engineer at Capgemini India Pvt. Ltd. (June 2014 – Sept 2016)***
  - Build a web tool to compare databases and migrate data from one another, which helped the team to sync data with multiple environments.
  - Designed and build a Project Tracing tool to manage different tasks of a project to make the process smooth.

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## Academic Qualifications

- MS in Computer Science at *Southern Methodist University*, Dallas (2017 – 2019)
- B.Tech in Computer Science and Engineering at *Biju Patnaik University of Technology*, India (2009 – 2013)

## Projects

- **Personal Website.** (<https://www.prabhatpal.com>)
  - Website to present myself on the internet.
  - Used NextJs, TailwindCss and Framer Motion to build the website.
- **Weather App.** (<https://weather-app.prabhatpal.vercel.app>)
  - Create a weather app using NextJs and TailwindCss.
  - Used Google Place API to search location and Open Weather Map API to get the weather of that location.
  - Used React Context API to manage global states.
- **Bouncy Ball using Machine Learning with Genetic Algorithm.**
  - Created a Flappy bird clone game in JavaScript
  - Using Genetic Algorithm in Machine Learning the Balls in the game learns to play the game.
  - Implemented all the algorithms and libraries in JavaScript.
- **Machine Learning demo with MNIST handwritten digits.**
  - A learning project to demonstrate the working of Machine Learning using MNIST handwritten digit dataset.
  - Build the entire Neural Network library in JavaScript.
- **Partitioning Random Geometric Graphs into Bipartite Sub-graphs. (Academic Project)**
  - Devised an algorithm to simulate the network coverage of wireless sensors to model ad-hoc networks of varying scale across a variety of geographic areas.

## Awards and Recognition

- Received 'Best Innovative Thinking' award for building a web tool to automate generation of more than 100 reports, thereby reducing the deliverable turn-around by 15%.