

# HIMESH PARMAR

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## Education

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### Brunel University

Sept 2018 – June 2021

- **BSc Computer Science** – Achieved **First Class** in first and second year
- Key Modules: **Software Engineering, Artificial Intelligence, Project Management**

## Work Experience

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### Pandava Sena Hub

Nov 2020 – Present

#### Software Engineer

- Developing an project management system using **Python** and **Django** which matches volunteers with projects relevant to their skills, interests and availability.
- Users and project information is stores in **MongoDB** which is queried and matches their personal preferences.
- Project leads can oversee and schedule volunteers to meet project targets and manage resources in a team.
- Creating a data pipeline that scrapes event information from relevant websites using a **REST API**, and integrates the data into an event calendar.
- Using **React** to display a personalised dashboard for project opportunities, project managers and mentors.

### Freestyle Cuts

Jul 2020 – Sept 2020

#### Software Engineer

- Developed a mobile app for a hair salon start up with over 600 monthly active users, used **React Native** and **Sails.js**.
- Implemented features that manages operations and interacts with **IoT devices** in a semi-automated hair salon.
- Involved in the acquisition, creation and management of innovative databases from various sources, such as B. Internal and external systems, flat files, databases, external APIs, etc.
- Played an active role in the planning, programming and testing of microservices in the area of productive applications.

## Projects

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### [XCape Mobile Android App](#) – Android Studio, Java, SQL

- Built an engine that performs tailored suggestions of several media types such as music, movies, tv shows and games based on the user's preferences using Android Studio and was written in **Java**.
- The frontend was built iteratively in response to user feedback using scrum and prototypes in Adobe XD.
- The backend consists of a database made in **SQLite** which fetches the specialised recommendations of the media.

### [Programming a Finch Robot](#) – Java

- Led a team of 5 to program a finch robot to complete various activities such as manoeuvre the robot in different directions, adjust the speed and duration and to retrace its steps etc.

### [Personal Website](#) – Python, Flask, HTML5, CSS3

- Used **Python** in web development to build a personal website to display CV and projects which is accessible.

### [Other Python Projects](#) – Python, TensorFlow

- Built a machine learning pipeline to recognize and label images using a neural network built in **TensorFlow**.
- Built a global password checker using an **API** which investigates the popularity of a given password.

### [Budget Tracker Web App](#) – JavaScript, HTML5, CSS3

- Used **JavaScript** to build a web app to track the user's budget of their monthly incomes and expenditures.

### [Recipe App](#) – JavaScript, HTML5, CSS3, Node.js, NPM, AJAX

- Used **JavaScript** to create a responsive and interactive web app that fetches the recipe of over a million dishes and dynamically adjusts the recipe based on the number of servings or quantity of people.
- Allows users to search for specific recipes, add ingredients to shopping lists or save to a favourites list.
- Implemented tools such as **Webpack** to bundle the modules, and **Babel** to convert ES6, ES7 and ES8 back to ES5.
- Employs the use of the food2fork API that pulls the ingredients and instructions to cook a recipe.
- Employs food2fork API to fetch that pulls the data and displays the recipe food data.

## Technical Skills

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Experienced in **Java, JavaScript, Python, Android Studio, HTML, CSS, Flask, TensorFlow, Git, Photoshop, SPSS, SQL.**