

PAARAS BHANDARI

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College Park, MD

EDUCATION

University of Maryland College Park

Bachelor's in Computer Science GPA: 3.86

Sept 2018 – Present College Park, MD

University of California - Davis

Bachelor's in Computer Science GPA: 4.00

Sept 2017 - June 2018 Davis, CA

EXPERIENCE

Founder

Doggomart

June 2019 – Present College Park, MD

- Singlehandedly created, developed, designed and marketed Doggomart for Android and IOS.
- Doggomart connects users to dog breeders, rescue shelters, and animal welfare facilities to help them find their perfect canine companion.

Teaching Assistant

University of Maryland - College Park

Jan 2019 – May 2019 College Park, MD

- Worked as a Teaching Assistant for the course CMSC132 - (Object Oriented Programming II) at University of Maryland.
- Held office hours for undergraduate students and graded exams.

Software Engineering Intern

Indian Institute of Technology - Kanpur

June 2018 – August 2018 Kanpur, India

- Worked on an open-source project called Brihaspati 3.0 which is a learning based platform used by universities across India.
- Worked with Android Studio and learnt about its basic features such as activity life cycle, intents, and layout design.
- Learnt about HTTP protocol and implemented client-server communication using Java libraries.
- Worked with JSON data format - parsing and processing JSON data received from the server.

Chair of Website Committee

Space and Satellite Systems - UC Davis

Oct 2017 – June 2018 Davis, CA

- Worked as Chair of the website committee at Space and Satellite Systems which is a student organization at University of California Davis.
- Designed several webpages with HTML, CSS and Bootstrap. Learnt about screen-size responsive layouts in CSS and other Bootstrap features.
- Worked with online repositories using Git version control to collaborate with team members.

SKILLS

Programming Languages

- Javascript, Java, C, C++, OCaml, Ruby, Rust, Python

Front-End

- Javascript, React JS, React Native, Redux, HTML, CSS, Bootstrap

Technologies and OS

- Firebase, Android Studio, XCode, UNIX/Linux Command Line, Async Programming, RESTful APIs, JSON data, XML, HTTP Protocol, x86 Assembly, JUnit, GDB, LaTeX, MS Word, MS Excel, Agile Methodology

PROJECTS

Doggomart

- Developed using React Native, Google Firebase, and various JS libraries, Doggomart connects users to dog breeders and rescue shelters. Features include - chat with ad posters, location wise ad filtering, rate and view ratings of organizations, edit and manage user profile.

Hotel Booking Web App

- Developed a hotel booking app using React JS, React Router Library, Google Firebase and CSS3, that allows users to view hotel-room availability in listed cities and book rooms. Features include user authentication, dynamic url routing, and various search filters.

Explorit

- Developed using React Native, Google Firebase, and Skyscanner's RESTful API, Explorit allows users to discover and add unexplored destinations to their bucketlist and get the best flight deals to those destinations. Implements a deck-swiping UI, commonly used by dating apps like Tinder, to enhance user experience.

SpellMe

- Developed a spelling quiz web app with ReactJS, Redux, AJAX and CSS3. The app uses a text to speech API to play out pronunciation-audio of random words from the English dictionary fetched using another API.

Regular Expression Interpreter

- Developed a regular expression (regex) interpreter using OCaml. The program takes a regular expression and a string as input. The regular expression is converted to a non-deterministic finite automata and tested with the string.

Trivia/Arcade Games

- Developed a Dog Breed and Game of Thrones trivia app for IOS/Android using React Native, AJAX and RESTful API, and Blackjack and Tetris with Java and JavaFX GUI library.