Work Experience

**Juley**

• Singlehandedly developed, designed, launched, and marketed Juley for Web, IOS, and Android. Used React JS, React Native, HTML, and CSS for front-end. Node JS, Google Fire- base, Google Places API for back-end.

• Juley offers users the best prices for hotels and homestays. Features include location based search, filtering and sorting of properties, easy booking and cancellation, option to review and rate properties.

**Teaching Assistant**

• Working as a Teaching Assistant for the course CMSC330 - Organization of Programming Languages, and worked as a Teaching Assistant for course CMSC132  
- (Object Oriented Programming with Java) at University of Maryland.

• Held office hours for undergraduate students and graded exams.

**Software Engineering Intern**

• 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 features such as activity life cycle, intents, and layout design. Learnt about HTTP protocol, AJAX and implemented client-server communication using Java libraries. Worked with JSON data format.

**Chair of Website Committee**

• Worked as Chair of the website committee at Space and Satellite Systems, 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 Github to collaborate with team members

**Projects**

**Doggomart**

Developed for IOS and Android using React Native and Google Firebase, Doggomart connects users to dog breeders / rescue shelters to help them find their perfect canine companion. Features include chatting with ad posters, various sort/filter options, rating and reviews, posting and managing ads.

**Explorit**

Developed for IOS and Android 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 UX.

**Juley**

Developed a hotel and homestays booking app for Web, IOS, and Android using React JS, React Native, CSS, and HTML on the front- end and Node JS, Google Firebase, Google Places API on the back-end. Used Node JS’s nodemailer module for automating emails, Google’s Place API for implementing search feature, CSS features for designing a fully responsive website.

**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.

**Other Projects**

Spelling bee quiz web app using ReactJS, Redux, and AJAX. Game of Thrones/Dog Breed Trivia for IOS and Android. Implemented Tetris with Java and JavaFX GUI. Monopoly board game with C++.

Skills

Programming Languages

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

Front-End

• Javascript, ReactJS, ReactNative, Redux, HTML, CSS, Bootstrap

Back-End

• NodeJS, ExpressJS, GoogleFirebase, RESTful API’s, JSON, XML

Technologies, OS, Testing/Debugging

• AndroidStudio, XCode, UNIX/LinuxCommand Line, Async Programming, x86 Assembly, JUnit, GDB, LaTeX