

Ripandeep Singh

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EDUCATION

Bachelor's in Computer Science | San Jose State University, San Jose, CA | Anticipated - **Dec 2021** GPA – 3.5
Associate of Science in Physics | Fresno City College, Fresno, CA | Graduated – **June 2019** GPA – 3.6
Associate of Science in Mathematics | Fresno City College, Fresno, CA | Graduated – **June 2019** GPA – 3.6

EXPERIENCE

Founding Developer August 2021 – Present
Spotlyt, LLC | San Jose

- Developing and maintaining a web and mobile application using flutter software development kit.
- Implemented authentication and database using google firebase and cloud functions with performance and scalability in mind.
- Successfully integrated the app with payment provider architecture (Stripe), Instagram, and Mailchimp by making API calls using Node.js and cloud functions.

PROJECTS

Class Note Sharing WebApp March 2021

- Built a web application to share notes among all students in a class for easy note taking. Embedded JavaScript, AJAX, HTML/CSS, and Bootstrap.
- Developed the backend of the application using Node.JS and Express Framework and MongoDB for storing data and implemented authentication using bcrypt (to salt and hash passwords).
- Designed UI using EJS, HTML/CSS and Bootstrap. New User Interface under development using ReactJS.

EasyLink - Google Chrome Extension August 2020

- Programmed a google chrome extension to add, and access class zoom sessions using JavaScript and jQuery.
- Used Chrome's APIs to store the data on user's account.
- Implemented the front-end of the extension using HTML5/CSS3, Bootstrap and Google fonts RESTful API.

MixIt Android Application April-June 2020

- Designed an algorithm that suggests recipes based on the ingredients in your fridge.
- Created an android application using Java for algorithm making, XML for front-end, SQLite for local Database.
- Used Picasso's RESTful API to display images of the suggested recipes.

Automated Catalog Generator July 2020

- Used regex to extract useful data from JSON file obtained from website.
- Automated pdf generation using Python's ReportLabs-Platypus library from regex optimized JSON file.
- Send the generated pdf file to website owner's email and posted it on the website.

Other Projects: Portfolio website (React) | Mancala Game (Java) | PC Health Checker (Python)

Who Pays? (JavaScript) | Game design (Unreal Engine) | Pokémon GUI Search using QT (C++).

SKILLS & HONOR

Languages & Frameworks: C++ | Java | Python | JavaScript | React | Flutter | Scala | CSS | HTML | Node.js | MongoDB | MySQL | Express.js | Bootstrap | EJS.

Programming & Creative tools: Linux | QT | Git | Bitbucket | MongoDB Atlas | Adobe XD.

Certificates: IT Automation with Python (August 2020) | Web Development Bootcamp (In Progress).

Achievements: Awarded 2 times Dean's Scholar for maintaining a 3.6 GPA and above.