

POURUSH SHRESTHA

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SUMMARY

- 2 plus years of experience as a Software Engineer working in all phases of Software Development Life Cycle.
- Technically strong in Web development (full stack) with an ability to write high-quality maintainable code.
- Ability to write quality documentation, article, use cases, user stories and technical specification.

EXPERIENCE

Software Engineer I, Axxess, Dallas, TX

November 2019-March 2020

- Lead a team of 2 SDE's to build Hospice application along with other team members.
- Extended application's functionality by designing and adding new features like Reports, Allergy information of a patient, which in return helped to get new clients for the product.
- Refactored the code to program to an interface, making the codebase clean and improving performance.
- Helped team achieve 80% automated test coverage using unit tests.
- Followed MVVM pattern to write well designed, testable and efficient code to develop the application.

Graduate Assistant, DEPARTMENT OF COMPUTING SCIENCES, Villanova, PA

August 2017-May 2019

- Built a Super Heterodyne Receiver Simulation Software for educational purposes for Astronomy Department.
- Tutored more than 55 students in Algorithms, Data Structures and Web Development.

Software Engineer, SEELOGIC INTERNATIONAL, Nepal

February 2017-August 2017

- Incorporated a toolbox named XRM for project solutions which increased development team efficiency by 20%.
- Improved case-solving ratio of the company by 2 times solving 10 cases per week.

Software Engineer Intern, CG ELECTRONICS, Nepal

October 2015-March 2016

- Developed a web-based product using MVC pattern to track the retailer businesses having CG mobiles.
- Worked in a small, agile team, testing, debugging and successfully delivering a project with high quality on time.

PROJECTS

Personal Portfolio: <https://pourush1.github.io/MyPortfolio/> (for additional information and projects)

Premier League Soccer

- Developed a full-stack soccer application all the way from the requirement phase to the deployment phase.
- Used React to develop the registration, login screens and flows against a RESTFUL API that returned a JSON payload. Architected and developed the RESTFUL API server in Node.js that handled the API calls.
- Used Bcrypt library to hash the password and implemented Passport JWT Strategy for the authentication of the users. Also did the validation of the users using Validate library to write the logic.

Smart-Brain: <https://frontendsmartbrainpourush.herokuapp.com/>

- Built a full web-based project where you can detect the face of a human image with the help of a CLARIFAI API.
- Architected, developed and deployed all major components frontend, backend and application to Heroku.
- Added Unit, Integration, Component and Regression testing in the application.

Robo-App: <https://robo-search-app.herokuapp.com/>

- Designed and implemented a Robot application using React where you can find the details of the robot you search. Implemented Binary Tree for the purpose of searching.
- Used Robohash and JSONPlaceholder RESTFUL API to fetch data and display it in the UI.

EDUCATION

Master of Science in Software Engineering – Villanova University (G.P.A 3.74)

May 2020

Bachelor's Degree in Electronics & Communication Engineering - Tribhuvan University

September 2015

SKILLS

- **Languages:** (*proficient*): JavaScript, Typescript, Node.js, HTML/CSS (*familiar*): Java, Python, C#, SQL.
- **Frameworks:** (*proficient*): React.js, Aurelia.js, jQuery, Bootstrap, Express (*familiar*): Spring.
- **Tools:** (*proficient*): Git, GitHub, HTTP, RESTFUL APIs (*familiar*): Jenkins, Heroku, AWS.
- **Hard Skills:** Quality Assurance (QA), Testing, Prototype (Framer).