Prashant Upreti

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EDUCATION

Texas Tech University, Lubbock, Texas — Graduation Date: August 2022
Bachelor of Science in Computer Engineering, Minor in Mathematics and Computer Science — **GPA: 3.60**

EXPERIENCE

Web Developer — *University Advising, Texas Tech University* — October 2020-May 2022

- Designed, developed, and updated homepage of University Advising Office and sub-departments.
- Simplified the making of Pre-Professional Health Careers' Virtual Fair website using Laravel.
- Created a responsive homepage for Tech Transfer Acceleration Program using Foundation framework.
- Worked on updating the landing page of University Advising's Orientation webpage.
- Responsible for updating contents and medias in other webpages of University Advising.

Full Stack Developer — *Personal Projects (Self-Motivated)* — August 2017-Present

- Made productive web applications using Laravel, Express.js, and Vue.js.
- Mastered Laravel and Node.js integration with Vue.js, Tailwind CSS, and Bootstrap.
- Chose MySQL and MariaDB for database and skillfully structured and connected tables.
- Devised interactive admin dashboards to perform various CRUD functions.
- Expert in working with Queues and Scheduler in Laravel and Node.js.
- Experienced in mixing WebSocket, using REST APIs on Laravel, and working with WordPress REST APIs.
- Built and deployed website with best SEO score and great UX performance.

License Plate Detection Project — *Project Lab II* — June 2021-August 2021

- Integrated Pi Camera module with Raspberry Pi to capture an image of a license plate.
- Used Tesseract and OpenCV with Python in Raspberry Pi to extract texts from a license plate image.
- Constructed GUI to save license plate into MariaDB using Python scripts and SQL commands.
- Utilized that entry from MariaDB to compare the license plate number extracted from the image.
- On successful comparison a DC motor was ran simulating opening of a gate.

Home-Weather Station Project — *Project Lab III* — August 2021-December 2021

- Coded a backend in PHP and hosted on the internet with POST and GET scripts.
- Used C-programming in Raspberry Pi to get data from sensors every minute.
- Inserted the collected data to a MySQL database using a REST API POST URL in Raspberry Pi using C.
- Developed an Android App in JAVA using Android Studio that acted as a mobile GUI for all live fed data.

SKILLS/AWARDS

- **Technical skills**
  - C/C++ (Proficient)
  - Java (Proficient)
  - PHP (Proficient)
  - Python (Proficient)
  - JavaScript (Proficient)
  - Vue.js (Proficient)
  - Laravel + Node.js
  - WebSocket (Proficient)
  - MySQL + MariaDB
  - WP + Rest API
  - Bootstrap + Tailwind CSS
  - Git (Proficient)
- **Scholarships and Awards**
  - Presidential Scholarship, President's List (Fall 2018, Spring 2019, Spring 2020) [Merit-Based]
  - TTU Brewster FUSE End ENGR Scholarship (Fall 2020, Spring 2021) [Merit-Based]
  - TTU DM Rich End ENGR Scholarship (Fall 2020, Spring 2021) [Merit-Based]
  - TTU CV Bullen EE Scholarship (Fall 2021, Spring 2022) [Merit-Based]
  - TTU Dawn Rich Quasi ENGR Scholarship (Fall 2021, Spring 2022) [Merit-Based]