SHASWAT SHUKLA

(505)-730-8924 • https://linkedin.com/in/shaswat-shukla • shuklashashwat482@gmail.com

EDUCATION

Purdue University | West Lafayette, IN, U.S.   Aug. 2024 – May. 2026
- Master of Science (B.S) in Computer Science
- Enrolled Courses – Data Communication & Computer Networks, Human-Robot Interaction

University of New Mexico | Albuquerque, NM, U.S.   Jan. 2019 – Dec. 2022
- Bachelor of Science (B.S) in Computer Science
- GPA – 3.97/4.0
- Relevant Coursework – Object Oriented Programming in Java, Data Organization, Data Structures and Algorithms, Software Engineering, Computer Architecture, Operating Systems, Cybersecurity, Computer Networks

WORK EXPERIENCE

Software Developer 1   Mar. 2023 – Feb. 2024
New Mexico Environment Department | Santa Fe, NM
- **Built** a **responsive** single page JavaScript **application** to **display** pollution levels across New Mexico in a tabular format by **fetching** data from a **RESTful API**
- **Created** a PHP **application** that **recursively** scans **CSV** files for defaulters in online payments for pollution certificates
- **Managed** and **maintained** legacy **applications** in PHP, ensuring continued functionality and incorporating enhancements as needed
- Technologies used: **HTML**, **CSS**, **JavaScript**, **Node**, **Express, PHP**

Web Developer   Feb. 2023 – Mar. 2023
Great Plain Partners Venture Group | Remote
- Independently **designed** and **developed** a **responsive** multi-page website from scratch using **HTML**, **CSS** and **React**
- **Managed** the entire web development lifecycle, from initial concept to final **deployment** on **Netlify**, ensuring seamless functionality and **user experience**
- Utilized **Chrome DevTools** to conduct cross-device **testing**, ensuring consistent **user experience** across all platforms
- Website link – https://greatplainsventures.com

Software Developer Intern   Sept. 2022 – Dec. 2022
New Mexico Administrative Office of the District Attorney | Albuquerque, NM
- **Developed** a **web application** to streamline and digitalize the procurement and requisition process from paper forms to electronic forms
- **Enhanced user experience** of the e-forms by **implementing** dynamic **error messaging**, providing users with clear, real-time feedback and actionable solutions
- **Created** an interactive **dashboard** for users to access all the required e-forms at one place
- Technologies used: **React, Bootswatch, PostgreSQL**

Machine Learning Intern   July. 2022 – Aug. 2022
Stanford University | Palo Alto, CA
- Project – **Vision** Based Navigation in TurtleBots
- Used a pretrained vgg 16 **TensorFlow model** to create a Convolutional Neural Network model for **image classification** to achieve autonomous navigation through a driving course
- Created a **navigation script** in **Python** that **subscribed** to images the robot was perceiving and passed them to the model based on which the TurtleBot motion was predicted by updating its linear and angular velocity
- **CNN** model **enabled** the TurtleBot to make **80%** correct decisions while **autonomously** navigating through a driving course
- Technologies used: **Python, Linux, TensorFlow, OpenCV, ROS**

TECHNICAL SKILLS

Programming – HTML, CSS, JavaScript, Python, Java, C, C++, MySQL, PostgreSQL, MongoDB

Frameworks/Libraries – React, Angular, Node.js, Flask, Spring, Spring Boot, PHP, Material UI, Sass/Less, TensorFlow

Tools/Technologies – Git, AWS, Rest API, Linux, Webpack, Babel, VS Code