

Kamlendra Pratap Singh

Diligent B.Tech student with extensive knowledge of web development, programming, and data structures. Seeking to leverage my leadership and technical skills to contribute to the latest technological advances.

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EDUCATION

B. Tech(Information Technology) VIT University

07/2018 - Present

Vellore, Tamil Nadu

- CGPA : 9.40

School

Lucknow Public College

2006 - 2017

A-Block, Rajajipuram, Lucknow, Uttar Pradesh

- High School(ICSE 2015): 88%
- Intermediate(ISC 2017): 95%

WORK EXPERIENCE

Software Developer Intern SAMSUNG

12/2019 - 08/2020

Samsung R&D Institute India

Bangalore, India

- Developed an AI model for detection and removal of shadow from flashed images under Project Prism.
- Received a Certificate of Excellence as the project got an Excellent rating.

PHP Web Developer Intern DigiYouth Infotech

03/2020 - 07/2020

Delhi, India

- Day-to-day responsibilities included developing responsive front-end and back-end components, connecting the application with other web services, and other web development responsibilities.

Web Developer Intern Manak Analytics and Development

04/2020 - 06/2020

Lucknow, India

- Developed websites for several clients, including analyzing, coding, debugging, optimizing, and deploying changes to client's websites, and other day-to-day responsibilities.

Developer Intern CodeSpeedy Technology Private Limited

04/2020 - 05/2020

Beldanga, West Bengal

- Developed IT and software related source codes and scripts.

ORGANIZATIONS

IEEE Computer Society - VIT (12/2018 - Present)

Strategic Head

SKILLS

Full Stack Web Development (major front-end)

PHP

Software Development

Graphic Design

HTML

CSS

JavaScript

jQuery

Web Design

Java

Python

Data Structures

Problem Solving

Programming

Machine Learning

SQL

Decision Making

User Interface Design

Project Management

Able to grasp new concepts quickly

Teamwork

Leadership and Organization

Time Management

Good Communication Skills with effective listening capability

PERSONAL PROJECTS

Web Portfolios

- Revised the primary websites for the student branch IEEE-CS and DigiYouth Infotech by utilizing several web development frameworks including HTML, CSS, JavaScript, jQuery, PHP, XAMPP, MySQL, Databases, Node.js, and web designing skills.
- ieeecsvit.com
- hackbattle.ieeecsvit.com
- youthdevelopmentprogram.co.in

My Portfolio

- Developed a personally curated website to provide more visuals and a better alternative to my resume. Key techniques/frameworks used were HTML, CSS, JavaScript, jQuery, Bootstrap, PHP, User Interface Design, and site optimization techniques.
- kamlendrapratapsingh.herokuapp.com

Project PRISM by SAMSUNG

- Designed and developed robust, reliable software to detect the unwanted sharp shadows caused by the flash and remove these shadows for obtaining shadow-free objects in an image, based on the CycleGAN approach.
- Techniques and frameworks used were Convolutional Neural Networks, General Adversarial Networks, Keras, Tensorflow, Image Processing, OpenCV, and Python.

ML Model to monitor social distancing using deep learning

- Developed a framework for automating the task of monitoring social distancing using surveillance video which utilizes the YOLO v3 object detection model and Deepsort approach.

Enhanced Advanced Encryption Algorithm(AES) algorithm

- Developed an Enhanced AES algorithm with parallel computing platform CUDA (Compute Unified Device Architecture) and C++, which improved flexibility and performance compared to the standard model.

TOOLS

Adobe Illustrator, Figma, Canva

INTERESTS

Volunteering/Community Involvement

Club Memberships