TUSHAR BHARTI
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Education

Bachelor of Technology in Computer Science & Engineering	**2021-2025**

MERI Colllege of Engineering and Technology, Sampla Haryana 124501
Maharshi Dayanand University, Rohtak Haryana 124001

Senior Secondary School	**2019-2020**

Banasthali Public School,
Vikas Puri, New Delhi 110018

Secondary School	**2017-2018**

Banasthali Public School,
Vikas Puri, New Delhi 110018

Experience

AICTE Internship on AI: TechSaksham A CSR initiative of Microsoft and SAP

- Participated in the TechSaksham internship, a collaborative initiative by Microsoft and SAP, focusing on AI skills development.
- Developed and implemented machine learning models using TensorFlow and Keras, demonstrating a strong understanding of neural networks and deep learning techniques.
- Engaged in practical projects that involved building, training, and evaluating AI models, applying concepts such as supervised and unsupervised learning.
- Utilized Matplotlib and Seaborn for data visualization, effectively communicating insights and trends through graphical representations of complex datasets.

C++ Developer Intern at Codsoft

- Worked as a intern for a period of 4 weeks as a C++ programmer at codsoft.
- Assisting in research and development projects related to new Softwares.
- Made some Projects as mentioned-> Number Guessing Game, Tic-Tac-Toe Game and a Simple Calculator.
- Proficient in C++ programming, including object-oriented programming (OOP) principles, data structures, and algorithms.
- Experience using version control systems like Git for code management and collaboration in a team environment.

Projects

Plant Disease Detection System for Sustainable Agriculture using AI/ML

- Developed a machine learning-based system to identify and classify plant diseases, promoting sustainable agricultural practices.
- Utilized Python, TensorFlow, Keras, and OpenCV for model development and image processing, ensuring high detection accuracy.
- Collected and preprocessed a diverse dataset of plant images, employing data augmentation techniques to enhance model robustness.
- Trained convolutional neural networks (CNNs) and evaluated performance.

C++ Applications (C++ Projects):

- Developed three c++ applications: Tic-Tac-Toe, Calculator, and Number guessing game, showcasing OOPS skills.
- Gained hands-on C++ expertise improving coding skill and collaboration abilities

Portfolio Website (Web Development):
- A personal website showcasing my skills in HTML, CSS and JS, featuring a responsive design and interactive elements.
- Developed to demonstrate my ability to design and build a visually appealing and user-friendly website and interactive elements.
- Highlights my proficiency in front-end development and my attention to details in creating a seamless user experience.

Counter Application (Web Development):
- It is a Web application which has four buttons plus, minus, undo & redo with a progress bar.
- On clicking plus increases the counter number, on clicking minus decreases the counter number undos and redos on clicking undo and redo respectively, all the progress is updated in the progress bar.
- hosted it using vercel & GitHub.

UI/UX:
- Instagram Clone, Google Chrome clone, Zepto Clone using Figma with Wireframing.

Technical Skills

- DSA (C++)
- AI/ML
- Microsoft Word, Powerpoint and Excel
- Web Development (HTML, CSS, JavaScript)
- DBMS (SQL, MySQL)
- UI/UX Design (Figma, Wireframing Tools & Prototyping Tools)
- Graphic Designing (CorelDraw)
- Version Control (Git, Github, Vercel)
- Development Tools (Turbo C++, Visual Studio, VS Code, Jupyter Notebook, Eclipse)

Programming Languages:

- Python
- C
- C++
- Java

Languages:

English   Intermediate
Hindi   Upper Intermediate

Hobbies:
- Weight Training
- Learning New Skills

Summary:

Dynamic Software Developer proficient in C++ and experienced in AI/ML, with a strong foundation in UI/UX design and web development (HTML, CSS, JavaScript). Passionate about creating intuitive user experiences and developing innovative software solutions that enhance functionality.