TUSHAR PANDEY

Computer Science Engineer

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Bengaluru, India

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Tushar

Tushar716

EDUCATION

Alliance University
Bachelor of Engineering in Computer Science and Engineering
CGPA: 3.1/4
Percentage: 78.08
2021 – Present

Kumaon Public School
Dwarahat
Intermediate
Percentage: 83.3
2019– 2020
10th class
Percentage:80
2017-2018

TECHNICAL SKILLS

- **Languages: -** Java, C++, Python, JavaScript.
- **Frameworks:** Spring Boot, Hibernate, React, Node.js, Django.
- **Web Technologies:** HTML, CSS, JavaScript, MySQL
- **Tools & Libraries:** OpenCV, MongoDB, scikit-learn, PyTorch.
- **Core Expertise:** Data Structures and Algorithms, Full-Stack Development, Machine Learning

PERSONAL SKILLS

- Logical Thinking
- Problem Solving
- Effective Communication
- Team Player

CERTIFICATIONS

- **Meta Frontend Engineering**: Focuses on frontend development with HTML, CSS, JavaScript, and React.
- **IBM AI Engineering**: Covers AI fundamentals, including machine learning and deep learning.
- **Generative AI Fundamentals**: Introduces generative AI models like GANs and transformers.
- **IBM Fullstack Development**: Focuses on both frontend and backend development.

ACHIEVEMNTS

- Secured 2 place at Technofair 2023
- Secured 107th place at all India hackathon.
- Participation in Proglint 2023 and cleared 1st round.
- Ideathon2022 Participation.
- Participated in Smart India Hackathon 2023

PROFESSIONAL EXPERIENCE

Full Stack Developer

EISystems |Mar31-Jul31

- Developed and maintained responsive web applications using React and Node.js.
- Integrated MongoDB for secure and efficient data management.
- Collaborated on debugging and optimizing backend code to improve scalability and performance.
- Contributed to implementing RESTful APIs for seamless communication between services**.**

Emerging technologies (AI/Cloud) Intern
Edunet foundation | Feb 24 - Mar 24

- Developed an AI-powered chatbot using cloud-based technologies.
- Implemented natural language processing (NLP) for improved user interaction.
- Deployed the chatbot on cloud platforms for scalability and reliability.

Machine Learning Engineering Intern
Proglint's Software Solutions | June 24 - July 24

- Developed and implemented a deep learning project utilizing Convolutional Neural Networks (CNN) for age and gender classification, achieving a training accuracy of 97.8% and a test accuracy of 89%.
- The model was trained on a dataset of facial images to accurately predict the age and gender ofindividuals, providing practical experience in deep learning and image processing.

PROJECTS

1. **Smart Attendance System using Image Recognition & OpenCV:**

- **Image Recognition**: Developed an attendance system using OpenCV for real-time image processing.
- **Facial Recognition**: Implemented facial recognition to identify students and log attendance accurately.
- **Cloud Integration**: Streamlined data management by connecting the system to a cloud-based database for secure and efficient storage.

2. **Carpooling Application (Java Project):**

- **User Authentication**: Implemented secured registration and login using Spring Security with encrypted password storage.
- **Ride Management System**: Developed features for drivers to create rides and users to book rides with destination and time filters.
- **Geolocation and Payments**: Integrated Google Maps API for real-time tracking and route optimization; implemented secure payment gateways using Stripe with HTTPS and tokenization.
- **Real-Time Updates and Notifications**: Enabled live ride updates with WebSocket and delivered email notifications for booking status and reminders.

3. **Music Player System:**

- **Music Player Development**: Built a user-friendly music player application using Django.
- **Playlist Management**: Implemented features to manage playlists, add songs, and organize music efficiently.
- **User Experience**: Enhanced user engagement with intuitive navigation and responsive design.
- **API Integration**: Integrated popular music streaming APIs for seamless music access.