Dilip Kumar Sharma

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EXPERIENCE

Aviation Aerospace Private Limited   Jaipur, India
SR. STEAM Trainer   *June 2023 - Present*

- **Training & Development**: Incorporated project-based learning strategies to inspire creativity and hands-on engagement in STEAM fields.
- **Programming**: Guided students in developing skills in Arduino programming, C++, and Python for creating innovative STEM solutions.
- **Management**: Facilitated workshops on robotics, electronics, and aerodynamics, enabling students to build projects like drones, gliders, and programmable robots.
- **Teamwork**: Collaborated with cross-functional teams to design and implement project solutions.
- **Tech**: Python, C++, Arduino, Raspberry Pi, ESP32, Circuit connection, Aerospace, 3D Printing, CNC Laser Engraving

STEAM Trainer   *Nagpur, India*
                                          June 2023 – June 2024

- **Training & Development**: Designed and implemented lesson plans incorporating project-based learning to simplify complex engineering and science concepts. Trained students in 3D design using Autodesk TinkerCAD and SketchUp, culminating in the creation of prototypes for real-world applications.

SKILLS SUMMARY

- **Languages**: Python, XML, Kotlin, PHP, MySQL, HTML, CSS, JavaScript, C++
- **Frameworks**: OpenCV, Bootstrap, ReactJS
- **Tech**: GitHub, Operating System, Data Structures & Algorithms, AI & ML, Networking, Database
- **Platforms**: Windows, Web, Arduino, VS Code, AWS, Firebase
- **Soft Skills**: Leadership, Problem-solving, Analytical thinking, Teamwork, Communication, Time Management

PROJECTS

- **Login & Signup Form with Reconciliation Tool Development**: Developed a secure login and signup form using Apache, MySQL, PHP, HTML, CSS, and JavaScript. Currently working on a reconciliation tool for a multinational American client, which compares data across multiple systems based on predefined business logic. The tool identifies mismatches, corrects data across upstream/downstream systems, and generates reports for the business team to monitor deviations effectively. (Nov 2024)
- **Face Recognition Machine Learning Model**: Developed a face recognition model using Python, OpenCV, dlib, and CMake, capable of detecting and identifying faces with high accuracy. Implemented feature extraction and facial landmarks for robust real-time performance. (Dec 2024)

EDUCATION

Gaya College of Engineering, Gaya   (AKU, Patna)
Bachelor of Technology – Mechanical Engineering; CGPA: 8.27   *2019 - 2023*

Certification

- **Android App Development**: Certified by Internshala for developing an Android application using XML, Kotlin, and APIs. Created a "Hot Zone Food Delivery" app featuring a user-friendly interface and seamless integration with web services for real-time functionality.
  (June 2020)
- **Soft Skills**: Certified by NPTEL in Soft Skills, demonstrating proficiency in communication, teamwork, leadership, time management, and interpersonal skills essential for professional environments. (Nov 2021)