Prem Narayan

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EDUCATION

JK institute of Applied Physics and Technology, University of Allahabad Aug 2019 - present
Bachelors of Technology in Electronics and Communication Engineering GPA: 8.66/10.0

EXPERIENCE

JKINSTITUTE.AC.IN, INDIA Jan 2021 - present
DEVELOPER
- Lead the development and maintenance of the official college website, implementing new features and ensuring optimal performance.
- Collaborated with a team of developers to design and implement new features and ensure optimal performance.
- Developed custom modules for the college's official website, improving its functionality and usability for students and faculty requirements and concerns.
- Provided technical support for the college's official website, troubleshooting and resolving issues as needed.

Airport Authority of India July 2022 - Aug 2022
Summer Intern Prayagraj
- Assisted in the day-to-day operations of the airport, including customer service, baggage handling, and air traffic control.
- Key Skills: Operations management, research, customer service, event coordination and project management.

PROJECTS

FANTASY CRICKET GAME

- Developed UI using PyQt framework for a game application .
- Executed game logic and functionality using Python
- Utilized SQLite for efficient data storage and management in the game application.

MICROSTRIP ANTENNA DESIGN 5G

- Designed and implemented microstrip patch antennas for wireless communication systems, increasing signal strength and efficiency.
- Applied simulation software such as Ansys HFSS to optimize the performance of the microstrip patch antenna.
- Optimized the design for improved gain and efficiency in the 5G frequency band.

Food Delivery App Design using Figma

- Created wireframes, mockups, and prototypes for a food delivery app using Figma.

Web Application for Object Identification

- Built an AI-powered web app for object identification using machine learning and deep learning.
- Incorporative frameworks such as TensorFlow and Keras to build and train the model.

ACHIEVEMENTS

- Class representative in College (July 2022- Present).
- Organized and coordinated various events and activities within the class and college
- Assisted in resolving student issues and concerns by communicating with the administration.
- Coordinated a team of organizers in planning and executing a cricket tournament as part of the hostel's annual fest.

TECHNICAL SKILLS

Programming languages: C++, C, Python,Java
Miscellaneous: MySQL,PHP,Bootstrap,SQLite
Data Structures: Competitive programming,OOPS

Web Technologies: HTML, CSS, Django,React Js, JavaScript
Professional Tools: Visual studio code,Jetbrains,Jupiter

RELEVANT COURSEWORK

Electronics and Communication: Microprocessors,Analog Devices,Communication System,Antenna Wave,VLSI Design,Computer Networks
Mathematics: Diiferential Mathematics,Vector Integrals,Probability and Random Processes, Number Theory, Linear Algebra