

Piyush Kumar Pattnaik

I am deeply passionate about learning and have a great interest in science and technology. I always seek ways to improve my skill set and gain valuable experience. I am a practical person who is driven to achieve results. I possess strong critical thinking skills and can make quick decisions, which helps me to deliver efficient results.

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🐙 github.com/piyushpattnaik

📞 9380067153

📅 12 October, 2002

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EDUCATION

BMS Institute of Technology, Bengaluru
B.E. (Bachelor of Engineering), Electrical and Electronics Engineering

2020 - 2024

CGPA - 7.2/10

Alpine Public School, Bengaluru
CBSE Board

2018 - 2020

Percentage - 64.4%

Air Force School, Bengaluru
CBSE Board

2008 - 2018

Percentage - 75%

PROJECTS

Residential Water Leak Alert System

- Every day, water is lost through leaks in pipelines, preventing the full delivery of water to taps. To address this issue, my team and I created a real-time prototype capable of detecting pipeline leaks. This system sends SMS alerts to mitigate leakage incidents. Utilizing ThingSpeak server, we collected data and generated comprehensive analyses of water usage for individual households, aiding in efficient management and conservation efforts.

EXPERIENCE

Research Intern
Aeronautical Development Establishment - DRDO

03/2024 - 04/2024

Bengaluru, Karnataka, India

During my tenure as an intern at the Aeronautical Power Systems (APS) Division, I focused on the project titled "Design and Development of Buck-Boost Converters for Aircraft Application." This experience provided me with valuable insights into the intricacies of various aircraft devices and power systems essential for supplying power. I actively engaged with industrial software tools to design Buck-Boost Converters to ensure a stable supply of 28V DC, thereby gaining practical expertise in the field.

SKILLS

Python

C++

C

Java

Javascript

Embedded C

R

Matlab & Simulink

CERTIFICATIONS

CS50P, Harvard University

Algorithmic Toolbox, UC San Diego

Data Structures, UC San Diego

Python for Data Science, AI & Development, IBM

Data Analysis with Python, IBM

Data Visualization with Python, IBM

Java Programming: Solving Problems with Software, Duke University

Foundational C#, Microsoft

Databases and SQL for Data Science with Python, IBM

MATLAB Onramp, Mathworks

Simulink Onramp, Mathworks

LANGUAGES

English

Native or Bilingual Proficiency

Hindi

Native or Bilingual Proficiency