PRITHWIRAJ DAS
B.Tech CSE Student

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Summary

Motivated and detail-oriented B.Tech CSE graduate seeking a challenging role in software development, IOT , AIML and Blockchain to apply technical skills and contribute to innovative projects. Eager to work in a dynamic environment where I can grow professionally, collaborate with a team, and continuously learn. Passionate about solving real-world problems using technology and committed to delivering high-quality results.

Skills

Programming & Querying: C, C++, Python, Java
Data Visualization Tools: Advanced MS Excel, Power BI, Tableau
Web Development: HTML , CSS , JavaScript , Node.js
Other Skills: Problem-solving, Team collaboration, Time management, Quick learner

Experience & Training

Google for Developers   **October 2025 – December 2025**
AI/ML Virtual Internship   *Tools Used: Google Cloud AI, TensorFlow*
- Completed a virtual internship focused on **AI and Machine Learning**, gaining practical experience with **Python, TensorFlow, and Google Cloud AI tools. Developed and deployed end-to-end ML models involving data preprocessing, model training, and performance evaluation on real-world datasets.**

Palo Alto Networks   **April 2024 – June 2024**
Cybersecurity Virtual Internship   *Tools Used: Palo Alto's cybersecurity frameworks and tools*
- Certified a virtual internship focused on **network security, threat analysis, and cloud security using cybersecurity frameworks and tools.**

Projects

Multi-Temporal Land Use Land Cover Classification | *Google Earth Engine (JavaScript)* **October 2025 – January 2025**
- Developed an end-to-end multi-temporal LULC analysis system covering 8 time periods using 3 satellite missions.
- Processed and harmonized 30+ years of satellite imagery at 30 m spatial resolution, generating 8 classified LULC maps.
- Engineered 6 spectral indices (NDVI, EVI, NDBI, MNDWI, BSI, Urban Index) to improve class separability. Classified 6 land cover classes (Vegetation, Water, Urban, Cultivation, Sand, Bare) using hundreds of labeled training samples.

ESP32 NAS & Web File Server | *C/C++ (Arduino core), HTML/CSS/JavaScript,*   **January 2024 – Augus 2024**
- Implemented role-based access control with 3 user roles (Admin, User, Viewer) and per-role permissions for upload, delete, system view, and admin console access.
- Develop a NAS-style file server on ESP32 running in WiFi SoftAP mode with an HTTP server with manual ban/unban for suspicious IPs.
- Created an Admin Console to view up to 100 recent log entries (timestamp, IP, user, action) and connected clients.

Awards & Certifications

- **Smart Manufacturing & Industry 4.0 - IITD–AIA Foundation (Feb 2024):** Completed a 3-day training programme on Industry 4.0, IIoT, automation, and smart factory concepts.
- **Python for Data Science – NPTEL (Elite + Silver):** Scored 76%, ranking in the top performance bracket, with hands-on coursework in Python programming, data analysis, NumPy, Pandas, and data visualization
- **The Joy of Computing Using Python – NPTEL (Elite):** Achieved 72%, demonstrating strong proficiency in problem-solving, algorithmic thinking, and Python-based computational concepts.

Education

B.Tech Computer science   **2023-Present**
University of Engineering and Management, Jaipur   *CGPA: 8.97 / 10*

Minor Cybersecurity   **2023-Present**
University of Engineering and Management, Jaipur   *CGPA: 8 / 10*