Prince jha

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Git Hub
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Portfolio

SUMMARY

I'm a B.Tech student (2022–2026) in Computer Science with a focus on Artificial Intelligence and Data Science. I've done internships where I worked on machine learning, website development, data analysis, and cybersecurity. I'm comfortable using Python, C++, SQL, Power BI, and tools like Wireshark. I've worked on real projects like training ML models, building dashboards, and creating chatbots. I also have a good understanding of data structures, cloud computing, and IoT. I'm always eager to learn, solve problems, and be part of projects that make a real impact.

EDUCATION

B.Tech in Computer Science (AI & Data Science)
 Abdul Kalam Technical University (AKTU), Uttar Pradesh
 2022 – 2026 (Pursuing)
Senior Secondary (Class XII), CBSE Board
 St. Columbus School, Faridabad
 2021 – Scored 91%
Secondary (Class X), CBSE Board
 St. Columbus School, Faridabad
 2019 – Scored 89%

SKILLS

Programming Languages: Python, C++, JavaScript, SQL
Libraries & Frameworks: Pandas, NumPy, Scikit-learn, Matplotlib, OpenCV (Computer Vision), React
Tools & Technologies: Power BI, MongoDB, Excel, Wireshark, Postman, Git
Concepts: Machine Learning, Data Structures, Algorithms, Data Visualization, Network Analysis

WORK EXPERIENCE

- **PROJECTS:**

  1.Drowsiness Detection with Real-Time SOS Alert
   Python | Machine Learning | Twilio API
  Built a real-time drowsiness detection system using computer vision and machine learning to monitor a user's eye movements via webcam. The model detects signs of fatigue or closed eyes for extended periods and immediately triggers an SOS alert using Twilio API. The alert (SMS or call) is sent to a pre-saved emergency contact with location and warning details. This system is aimed at improving road safety by preventing accidents caused by driver drowsiness.

  2.Chatbot with Open AI API
   Python | OpenAI LLM (Large Language Model)
  Developed an intelligent chatbot powered by OpenAI's API that can understand and respond to user queries in natural language. The chatbot is designed to handle dynamic conversations, provide informative answers, and simulate human-like interaction. Integrated with a Python-based interface, it showcases real-time response generation using state-of-the-art language models. Custom prompts and context handling were implemented to improve relevance and accuracy in responses.

3.Uber Data Analysis Dashboard
 Power BI | Data Analytics | Excel

Analyzed over 70,000 Uber ride records to uncover key insights related to revenue, ride cancellations, customer ratings, and vehicle types. Designed and developed interactive dashboards segmented into multiple views, including Overall Performance, Revenue Trends, Ride Cancellations, and Customer Ratings. Enabled data-driven decision-making by visualizing trends, identifying problem areas, and presenting performance metrics in a clear and actionable format.

4.Spotify Data Analysis Dashboard – Music Meets Data
 Power BI | Data Visualization | DAX | Vega-Lite (Deneb)

Created a Spotify-themed interactive dashboard in Power BI, analyzing 70,000+ tracks to uncover insights on music trends and listener behavior. Key highlights:

- Top artists and tracks by popularity and streams
- Listening patterns visualized via monthly and weekly heatmaps
- Audio features analysis: Danceability, Energy, Acousticness, Speechiness
- Integrated album art and release trends over the years
- Custom visuals with Deneb for rich, story-driven exploration
- Interactive filters by Artist, Track, and Year for dynamic analysis

- **Internships:**

1.DFIR Cyber security, (Onsite Greater Noida) || Network analysis (Wire shark, chat Bot for Cert) (June 2024 – Aug 2024)

- Worked hands-on with Wireshark to analyse live network traffic, identify unusual activity, and support the team during security incident investigations and mock attack scenarios.
- Built a chatbot using Python that pulled real-time CERT updates, helping the cybersecurity team stay informed about the latest threats and advisories without manual effort.
- Supported digital forensics by breaking down packet-level data, tracing potential threats, and helping document key findings that contributed to improving internal security practices.

2.Varun Beverages LTD. (PepsiCo), (Onsite Gurugram) || Software Intern (Web development, Data analysis)

(Sept 2024 – Oct 2024)

- Developed responsive web interfaces using HTML, CSS, JavaScript, and React to streamline internal operations, enhancing user experience and reducing manual data entry for cross-functional teams across production and logistics.
- Analysed and visualized operational datasets using Python and Excel, identifying key performance trends and supporting data-driven decisions that improved efficiency in beverage distribution and stock forecasting.
- Collaborated with cross-functional IT and business teams to design internal dashboards, integrating APIs and real-time data flows to improve monitoring of supply chain KPIs across multiple distribution zones.

ACHIEVEMENTS

1. 1st Place – International Hackathon, Amity University, Noida
2. 1st Place – National Hackathon, GL Bajaj Institute, Greater Noida
3. 1st Place – National Hackathon, NIET (Noida Institute of Engineering & Technology), Greater Noida.
4. 3rd Place – Hackathon at Manav Rachna University, Faridabad
5. Olympiad Winner – 1st & 3rd in Math and Science Olympiads
6. 3rd Place – College-Level Badminton Tournaments (Twice)