PARTHIB SARKAR
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LinkedIn | Github

Education

VIT Bhopal University   September 2022 – Present
B.Tech in Computer Science and Engineering   CGPA: 8.30
Kendriya Vidyalaya Raiganj   May 2022
Higher Secondary (CBSE)   Percentage : 82.8%

Skills

- **Programming Languages**: Java, Python, SQL, HTML, CSS, JavaScript
- **Tools**: Git, GitHub, MS Excel, Canva, Figma
- **Frameworks/Technologies**: MySQL, React, Node.js, DBMS
- **Core Competencies**: Data Structures, Algorithms, Software Development, Operating Systems, Computer Networks

Experience

Software Development Intern, Internpe   Jan 2024 – Feb 2024
- Completed C++ training, mastering OOP, data structures, and algorithms, scoring 95% in assessments.
- Developed 5+ C++ applications, optimizing memory management and STL usage, improving performance by 15%.
- Conducted code reviews and debugging, reducing defects by 20% across team projects.

Projects

Harvest Hub   April 2025
- Built AI-powered agricultural platform frontend, supporting 500+ users and optimizing crop selec- tion for 200+ farms.
- Developed ML-based plant disease detection system with 92% accuracy, cutting crop loss assessment time by 60%

Phishing Site Detector (Team Lead)   May 2024
- Led a 5-member team to develop a Python-based phishing detection tool using scikit-learn and URL parsing, achieving 90% accuracy in identifying fraudulent websites for 100+ users.
- Designed a machine learning model to analyze URL features and content, reducing false positives by 30% and enabling real-time fraud detection.
- Integrated user-friendly interface with HTML/CSS, allowing seamless URL input and result visualization, improving user adoption by 35%. .

Sign Language Converter   Nov 2023
- Created Python-based computer vision app using OpenCV and TensorFlow, achieving 88% real-time accuracy for sign-to-text conversion.
- Designed bidirectional translation system, improving communication efficiency by 45% for deaf users.
- Led 5 user research workshops with 50+ participants, boosting engagement metrics by 40%.

Achievements and Activities

Achievements
- Mastered 150+ LeetCode and GeeksforGeeks challenges in 100 Days of Code, focusing on algorithms and data structures, reducing average problem-solving time by 40% and strengthening coding proficiency for software development roles.
- Led school football team to Under-15 Nationals.

Activities
- **Spearheaded Microsoft Club initiatives** at VIT Bhopal University (Aug 2023 – Aug 2024), developing Office 365 and cloud computing projects, delivering 3 workshops to 100+ students, boosting technical proficiency by 30%.

Additional

- **Hobbies**: Football, Gaming, Cooking, Listening Music.
- **Languages**: English (Professional), Bengali (Native), Hindi (Fluent)