PRANITH DUTTA

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Profile:

Pursuing B. Tech. in Computer Science Engineering. **Competitive coder** and also interested in **Software development**. Currently exploring the field of **Artificial intelligence**. My team secured **2nd Runner Up position** in **Hack4Bengal 3.0** in **Solana track** (2024). **Back-end developer** of my team. Have worked in technical clubs of college. **Good learner** with keen interest in cutting-edge technologies. Seeking a **beginner role** to enhance my knowledge and explore and contribute in this technical world.

Skills:

1. Languages – **Python, Java, JavaScript, C++**
2. Libraries – **Scikit-learn, TensorFlow, OpenCV, HuggingFace**
3. Frameworks – **Flask, Node.js**
4. Databases – **MySQL, MongoDB**
5. Tools – **Git, Jupyter Notebook, VS Code**
6. Soft skills – **Team work, Communication**

Projects:

1. **TomeVault** | URL
   - Web based Library Management System
   - Features – Authorization, Verification, Functionalities for Librarians and Students, Admin Panel
   - Technologies – HTML, JavaScript, Python, Flask, MySQL
2. **FinTracer** | URL
   - Web based Finance Tracker
   - Features – Authentication, Track expense and income with interactive chart and downloadable statements
   - Technologies – HTML, JavaScript, Python, Flask, MySQL
3. **e-motion2.0** | URL
   - Web app for facial emotion recognition
   - Features – Using Deep Learning model to extract facial features and detect emotions
   - Technologies – HTML, CSS, JavaScript, Python, Flask, TensorFlow
4. **psy-geek** | URL
   - Web app for Personality Analysis
   - Features – Using Random Forest Classifier, trained on 16pf dataset, for Personality Analysis
   - Technologies – HTML, JavaScript, Python, Flask, scikit-learn
5. **LoginSystem3.0** | URL
   - This is a Java-ANT-based software, with simple GUI
   - Features – User authentication, management, AI/ML, Number System Conversion
   - Technologies used – Java, JavaFX, Python, MySQL

Education:

1. Class **X** with **93%** – Ram Mohan Mission High School **(ICSE)** – (2008-2020)
2. Class **XII** with **90%** – Abhinav Bharati High School **(CBSE) –** (2020-2022)
3. **B. Tech in CSE** with **8.4 CGPA** – Sister Nivedita University – (2022-Present)
   - Course Work- **AI, Computer Networks, Operating System, Cryptography**
4. Course Completion Certificates-
   - **Applied Machine Learning in Python (**Certificate**)**
   - **Applied Plotting, Charting & Data Representation in Python** (Certificate)
   - **The Structured Query Language (**Certificate**)**
   - **Advanced Topics and Future Trends in Database Technologies** (Certificate)
   - **Introduction to Software Engineering** (Certificate)
   - **People and Soft Skills for Professional and Personal Success** (Certificate)

Languages: English, Bengali, Hindi

Hobbies: Chess, Quiz, Painting, Singing