Prince Kumar

Graduated
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Education

Year	Degree/Certificate	Institute	CGPA/%
2019 - 2023	B.E.	Acharya Institute Technology (VTU)	7.79/10.0
2018	C.B.S.E(XII)	Adarsh vikas vidyalaya, Danapur	70.6%
2016	C.B.S.E(X)	St. Karen's High School, Patna	9.6/10.0

Scholastic Achievements

- Qualified Level 1 of **Software Development Challenge Flipkart Grid 4.0** and led as the **Top team in the college**.
- Secured **1st prize** in ISE Department Technical fest in college for Talk The Talk event.
- Awarded the **2nd prize** in College fest for presenting views on effects of social media in day to day life.
- Practiced daily questions from leetcode. (Leetcode : leetcode.com/Princeits2ez/).

Internship Experience and Projects

- **Internship at Varcons Technologies- Full stack Web Developer** (*6th February, 2023 to 9th March, 2023*)
    - Actively coordinated to the development of a project named "Coursezz" crafting a comprehensive, fully operational website for a valued client, facilitating course selling with a team of 5 members.
    - The project encompassed a blend of front-end technologies, including HTML, CSS, JavaScript and React.js, coupled with backend technology powered by Node.js, with MongoDB serving as the database. Mastered back-end skills through active learning from industry experts and fellow interns.

- **Network Intrusion Detection System**
    - Eliminated malicious activity on the network which helps in detection of anomalies.
    - Executed the NSL-KDD dataset to identify network intrusion anomalies. It harnesses 3 powerful deep learning models: Long Short-Term Memory (LSTM), an advanced iteration of Recurrent Neural Networks (RNN), and the K-Nearest Neighbour Algorithm (KNN). Users input hacking parameters through a user-friendly React.js front-end interface. The models then swiftly predict the attack type and furnishes the user with precise attack information. MongoDB serves as the data storage solution, while Node.js powers the robust back-end framework. Furthermore, Google OAuth is seamlessly integrated for top-notch user authentication.
    - The project demonstrates full responsiveness, operates on session and cookies principles and is scalable in future. It notifies and alarms users in case of network intrusion. The model's effectiveness is vividly demonstrated through the evaluation of 4 distinct parameters.

- **Sorting Visualizer**
    - Developed a graphical user interface (GUI) to vividly illustrate 6 distinct techniques.
    - Leveraged HTML, CSS, and JavaScript to yield randomized arrays of bars and executed operations on them, allowing for adjustable speed and diverse array sizes for comprehensive testing.

Skills and Strengths

- **Technical:** C++, Python, Data structures, Algorithms, HTML, CSS, JavaScript, Node.js, Express.js, Git and GitHub, SQL, MySQL, MongoDB
- **Relevant Courses:** Data Structure And Algorithms, Computer Networks, Unix Programming, Operating Systems

Positions of Responsibility

- **Executive Member at Unnati NGO** - Public Relation. (*2021-Present*)
- **Coordinator, debating Society** - Event Management. (*2014-2016*)

Extra-Curricular Activities

- Coordinated in spreading awareness regarding **plastic free environment** in nearby locations of my college.
- Collabrated as **padsquadder**, distributed pads and spread awareness about menstrual hygiene to underprivileged women.
- Achieved 1st prize in Inter house one act play during the school's golden jubilee year.
- Honored with Best prize in Poetry writing Competition.