Kalash Bhattad

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Skills

Languages: C/C++, Java, Python, JavaScript, TypeScript, HTML, CSS, SQL, Verilog, Prolog
Technologies & Tools: ReactJS, SolidJS, TailwindCSS, MongoDB, Spring, Google Cloud, mySQL, PostgreSQL
Software & Libraries: Pandas, Numpy, PyTorch, Jupyter, VSCode, AndroidStudio, Github, Eclipse

Education

Centre Point Schools, Nagpur   March 2014 - Aug 2022
Secondary and Higher Secondary Education   *class 10:98.6%*
Affiliated Education Board: Central Board of Secondary Education (CBSE)   *class 12:96.6%*

BITS Pilani Hyderabad   Nov 2022 - Present
B.E. in Computer Science and Engineering, Minor in Data Science   *CGPA: 9.55/10*
Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Logic in Computer Science, Microprocessors, Computer Programming

Work Experience

Indian Institute of Remote Sensing, Dehradun   May 2024 - Present
Research Intern
A premier institute under the Department of Space, Government of India, dedicated to capacity building in Remote Sensing and Geo-informatics.

Project Work

- **BitsBids:** Developed a web application utilising the object oriented programming concepts to set up a website for bidding. Tried implementing an efficient contextual search of valid words using relevant data structures like Trie. Features included anonymous bidding and real time online chatting. **Used Java, Spring Framework, SQL, ReactJS.**
- **StarWars Wiki:** Developed a database-centric web application to create a web page similar to Wikipedia but for Star Wars buzzheads and utilize my concepts on database design. Added a web scrapper which fills the relation schemas for the project automatically. **Used PostgresSQL, SolidJS, TailwindCSS, Python**
- **Transfer Learning for Deep Network Models of Biological Neurons:** A research project investigating the potential for transfer learning to overcome the need of prohibitively large amounts of data to train in order to build temporal deep convolutional networks that reproduce the working of biological neurons in the cerebral cortex to unprecedented accuracy. **Used Python, Jupyter, Scikit-Learn**

Awards and Certificates

- **Institute Merit Scholar:** Received the prestigious institute merit scholarship for consecutive semesters due to my excellent academic performance, recognising my diligence and work ethic.

Professional Club Memberships and Volunteering

Rotary Interact   June 2018 - July 2019
Secretary
- Served as the secretary of Rotary International's Interact program and actively collaborated with peers to organize and execute impactful social work and community service projects through my school. This role not only enhanced my leadership and organizational abilities but also deepened my commitment to creating positive change and serving our community.

Association for Computing Machinery (ACM)   May 2023 - Present
Management Division
- Contributed to the technical upliftment of students at college by joining the Association of Computing Machinery (ACM) chapter. In this capacity, I curated and managed workshops on app development, web development, and cybersecurity, aiming to empower and enhance the technical skills of my peers.