TANVI SAXENA

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EDUCATION

BANASTHALI VIDYAPITH: COMPUTER SCIENCE ENGINEERING(B. TECH.) **CGPA-8.7/10.00**

MODERN DELHI PUBLIC SCHOOL: CLASS 12th **93%(CBSE BOARDS),** CLASS 10th **97.2%(CBSE BOARDS)**

WORK EXPERIENCE

JP Morgan and Chase(*Software Engineer Intern*): Was part of GAIA Elastic Search team . Our team handled JPMC's private cloud. Played a key role in the development and implementation of GAIA Elastic Search, a cutting-edge search platform for the company. Worked extensively on two crucial features: OpenSearch anomaly detection and KNN vector search.Collaborated closely with the development team to design and implement anomaly detection algorithms, enabling efficient identification of abnormal patterns in search queries.Contributed to the implementation of KNN vector search, enhancing the platform's capability to perform efficient similarity searches on large-scale datasets.Conducted thorough testing and optimization of both features, ensuring high performance, accuracy, and scalability. Actively kept up-to-date with the latest advancements in search technologies, attending conferences and workshops, and incorporating relevant learnings into feature development. SKILLS USED- Python, ML Algorithms, AWS,OpenSearch, ElasticSearch

The Sparks Foundation (*Web Developer)*: Built a Basic Banking System which allows the transfer of money amongst dummy users and provides the receipt of transactions as well.SKILLS USED- HTML, CSS, Javascript.   [Link](#)

TECHNICAL PROJECTS

● **Online-Learning Management Portal:** This web portal was built during **CodeForGood Hackathon** by my team members. This website is a management system portal for admin and teachers where the admin has all the authority. This portal is similar to Google Classroom. SKILLS USED-HTML, CSS, Javascript, React   [Link](#)

● **Force-Directed Graph:** This website visualizes a force-directed graph that shows which countries share borders. Users can see each country's flag on its node. SKILLS USED- HTML, CSS, Javascript, Jquery, SVG.   [Link](#)

TECHNICAL SKILLS

Languages: C, C++, Python, SQL,Solidity

Additional: Data Structures, Algorithms, DBMS, Computer Networks, Operating System, Git, Github

Development: HTML, CSS, Javascript, React

ACHIEVEMENTS

● Achiever for Generation **Google** Scholar 2022 for APAC(Selected as one of the 55 scholars across Asia Pacific region).
● First Runner Up in **Jp Morgan & Chase** Code For Good National Hackathon 2022.
● **Amazon ML** Summer School 2022(Out of 10000+ participants across India)
● **Harvard** WeCode Scholar 2022.
● Secured a rank of **1260** out of **12000** in Codechef Starter 2022 and **969** out of **8000** participants in Codechef Exun 2022.
● Solved **600+** problems on [GeeksForGeeks](#) with an institute rank of **6** out of **1500** students.
● Solved **450+** problems on [Leetcode.](#)

CERTIFICATIONS

NPTEL (03/2021 - 09/2021) **Data Analytics** Certified From *IIT Roorkee*   [Elite Certificate](#)

POSITIONS OF RESPONSIBILITY

Google Developer Student Club (04/2022 - Present) **Technical Team Member**- Coordinated and helped conduct hands-on technical sessions, catering to about 200+ college students.

Unstop Igniters Student Club (12/2022 - Present) **Chief Igniter(Lead)**- Helping the other college communities in the college, by providing a platform to them.Established an offline community open to all university students(10000+)