CHARVI KHANNA

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EDUCATION

B.Tech (ECE)	2020-2024	Bharati Vidyapeeth's College of Engineering, Delhi	9.06/10
Class XII (CBSE)	2020	St. Francis de Sales Sr. Sec. School, Delhi	95.4%
Class X (CBSE)	2018	Adarsh Public School, Delhi	93%

WORK EXPERIENCE

Project Analyst Intern | Get Me Therapy 🔗   *September 2023 - December 2023*
- Innovated an affordable therapy plan tailored for students, driving **4% increase in sales**.
- Operated numerous ad campaigns using Facebook ads, boosting **website traffic by 8-9%**.
- Devised a **4.9% boost** in client retention by collaborating with the design team to revamp the user interface.

Data Science Trainee | Waypoint Solutions LLP 🔗   *February 2023 - March 2023*
- Employed Python and data science modules to optimize sales trends of automation devices including PLCs, RFID, and servos.
- Calculated and computed sales trends, utilizing EDA techniques which increased **efficiency by 10%**.
- Assembled and programmed data pipelines and streamlined the processes resulting in a **1.7% increase in sales**.

Project Intern | Power Grid Corporation of India Limited 🔗   *July 2022 - September 2022*
- Cyber Security Intern at POWERGRID, Gurugram, Haryana as a part of the Industrial Training Program.
- Acquired practical knowledge in three key areas of Cyber Security: **Network, End User, and Memory**.
- Conducted 20+ investigations, diagnosed vulnerabilities, and resolved issues.

PUBLICATION

Enhancing License Plate Recognition using YOLO-NAS, YOLOv8, and SORT Algorithms (in press)
- The preliminary results show 90.2% accuracy for the YOLO-NAS (small) model, improving both speed and precision of license plate recognition.
- First Authored and got accepted in International Journal of Intelligent Systems and Applications in Engineering (IJISAE).

PROJECTS

Music Store 🔗
- Developed a Music Store Management System using **SQL** to optimize marketing strategies and enhance overall business.
- It aims to analyze and extract valuable insights from a music store's database, and explore customer preferences.

Hotel Bookings Analysis 🔗
- Developed an EDA model for analyzing dataset having **50k+ rows** of the Hotel industry with a team as our mini-project.
- Data visualization techniques were used to discover patterns, detect anomalies, and visualize data.

Automatic Number Plate Recognition 🔗
- Implemented ANPR project utilizing **YOLO v8** and **YOLO NAS** for advanced computer vision capabilities.
- Achieved a remarkable **90.2%** accuracy on user datasets by deploying the project through FastAPI.

RedMax 🔗
- Developed a prototype for a hemoglobin level-checking device called - "RedMax" with a team of four members.
- It is an **FET-based handheld device integrated with a website**, to produce personalized results for its users.

SKILLS

C/C++, Python, MySQL, Microsoft PowerBI, MS Excel, OrCAD, HTML5, CSS3, Figma, Canva	Problem Solving, Project Management, Adaptability, Communication, Research, Public Speaking

LEADERSHIP AND COMMUNITY INVOLVEMENT

Chairperson, Computer Society of India (CSI) of BVCOE   *May 2022 - April 2023*
- Conducted technical events like Coding competitions, Capture the flag, Technical B-Plan competitions, etc.
- Conducted cultural events like SNL, Fun Event, Synergy building workshop, Open Mic, Gaming Competition, etc.
- Held 3 positions at CSI in the past **3 years**: Executive in the Technical team, Head of the Technical team, and Chairperson.
- Led a team of **50+ members** for events attended by an audience of **150+ students**.

ACHIEVEMENTS

- **GATE 2024** qualified with a score of 443 in Computer Science and Information Technology.
- **Mentored** participants at **SRM Builds 4.0 hackathon**, the team I mentored won the hackathon.
- **Winner of BVEST Hackathon 2023** with participation of **150+ teams**, technical fest of BVCOE.
- **5th position** at Hack BVICAM, a hackathon organized by **IEEE Delhi** among **120+ participating teams**.