Mridul Mahajan

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Bachelor of Computer Applications (BCA)

mridulmahajan.work@gmail.com

mridul-mahajan

Education

• CHRIST (Deemed to be) University, Bangalore — *2022 – 2025*

Bachelor of Computer Applications (BCA): GPA: 3.8/4 — Bangalore, India

Coursework: Data structure & algorithms, Databases, Database Management, Object Oriented Programming

Professional Experience

• *Acmegrade* Pvt. Ltd. — *June 2023 - Aug 2023*

Machine Learning Intern | Used Technologies: Google Collaboratory, Python, Plotly Express — Remote

- Developed both a Music Recommender System and a Stock Prediction Model using Google Collaboratory and Python
- Implemented data visualisation and data analysis features
- Learnings: Data Visualisation, Data preprocessing, Model Development, Algorithm Implementation, Evaluation, Documentation

Skills

Tech Stack:	NodeJS, React.js, Next.js, MongoDB, Java
Languages:	JavaScript, Typescript, Java, C, Python, PHP, HTML, CSS, Tailwind CSS
Databases:	MongoDB, MySQL,
CS Fundamentals	Data Structure & Algorithms, Object Oriented Programming, Database Management
Tools:	Linux, Git
Soft-skills:	Cross-team collaboration, Public Speaking, Tactical Strategization, Communication

Projects

• MedVision — mridul-mahaj

Published a research paper for project titled "Innovation Meets Healthcare: MedVision" which has officially been accepted in the "International Journal of Advanced Multidisciplinary Research and Studies" in Volume 4, Issue 3, 2024

1) Focus on 3D models for presentation of six organs: heart, brain, spinal cord, kidney, lungs and intestine.
2) All-round visual aid for better understanding and study of anatomical structures.
3) Mobile-friendly feature that allows users to experience the 3D models in AR.
4) Module concentrates on assessment by incorporating multiple-choice questions tailored for each organ model out of the six.
5) Innovative approach holds promise in advancing the quality and effectiveness of medical training programs, preparing future healthcare professionals more adeptly for clinical practice.
6) On mobile phones provides real-time visual representation of models making learning more interesting. Incorporating augmented reality technology adds another level to the education process thus allowing students to engage with physical