

Keshav Agrawal

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Gmail LinkedIn GitHub

Education

Manipal Institute of Technology

Aug 2022 - Aug 2026

BTech, Computer Science and Engineering with Specialization in Artificial Intelligence & Machine Learning

Manipal, Karnataka

- Relevant Coursework: : Data Structures & Algorithms, OOP, Database Systems, OS, AI, ML, Big Data Analytics, Neural Networks, Computer Vision

Experience

OnePlus

Sep 2023 - Present

OS and Product Tester

Remote

- Tested 50+ software updates for OnePlus devices, identifying and resolving 90% of critical issues.
- Conducted hands-on testing of prototype earbuds, enhancing product reliability and user satisfaction.

Projects

Content-Based Image Retrieval Using OpenCV | OpenCv, Python, React.js, Flask, Django

- Engineered an image retrieval system using SIFT & ORB algorithms for 8,000+ images.
- Achieved 92% retrieval accuracy, reducing computation time by 20%.

Stock Market Analysis Using Big Data Tools | Spring Boot, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap

- Prepared a NIFTY 50 stock market prediction system using Hadoop, Kafka, Apache Spark, and HBase.
- Processed 10M+ stock price records, achieving high-accuracy insights with Monte Carlo simulation.
- Implemented an intuitive UI for real-time visualization of predictions, enhancing usability for financial analysts.
- Led a 6-member team, personally handling Hadoop & HBase setup and data pipeline integration.

Gym Management System | HTML, CSS, JavaScript, SQL, Node.js

- Built a system that improved gym operations & member satisfaction by 25%.
- Automated scheduling, billing, and reporting, reducing errors by 15%.

Technical Skills

Programming: C, C++, Python, JavaScript, SQL

Libraries & Frameworks: React.js, Node.js, Express.js, JavaFX, Bootstrap, Flask, Django

Machine Learning & Data Science: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, OpenCV

Tools: Git/GitHub, Hadoop, Kafka, Apache Spark, HBase

Achievements

- Top 6 in DevSprint Hackathon
 - Developed a news-reading website for elderly users, increasing engagement by 60%.
 - Designed personalized content recommendations to improve user experience.

Experience

Photography Club Manipal

Oct 2022 - Present

HR Head

- Managed HR operations, overseeing the recruitment of 150+ members and resolving 10+ grievances to improve club functioning.
- Mentored and guided 14 junior HR handlers to enhance club management and coordination.

Lensation, Revels'25

Jan 2025 - Mar 2025

Core Committee Member & PoC

- Led a team of 10+ volunteers, ensuring smooth execution of 3+ photography competitions with 200+ participants.
- Coordinated logistics and event planning to streamline operations.