NIKHIL KUMAR

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Experience

Open Source Contributor   **Mar'24-Present**
OHC & *GSSOC*
- Contributed to Open Health Care (OHC), an AI-driven open-source healthcare organization focused on improving global health outcomes through innovative technology, recognized and appreciated by Satya Nadella.
- Made 100+ commits and 5+ PRs, enhanced both frontend and backend functionality, and conducted thorough code reviews, with verified contributions on my GitHub.
- Some Merged PRs- #7391, #7639, #7645, #7795, etc.

Founder   **May'24-Present**
Awekon (Start-Up)
- Awekon is an innovative startup that excels in augmented reality (AR), virtual reality (VR) technologies, and audio-video animated content. They also manage a community platform that connects creative individuals, supported by a mobile application built with Flutter

Projects

Float-Art   **Draw Art in air**
- Developed a real-time drawing application on air using finger gestures, leveraging computer vision and OpenCV for interactive and dynamic visual creation, achieving a 98% accuracy rate in gesture recognition and motion tracking.
- Technology - Computer Vision (OpenCV), Hand-gesture detection, Python

Self-Driving-Car   **Smart car**
- Developed a self-driving car system utilizing deep reinforcement learning, achieving a precision rate of 96%.
- Technology - Reinforcement Learning (deep learning), Python

Sudoku Solver   **Real world application of DSA**
- Designed and implemented a Sudoku solver project utilizing the backtracking algorithm with 100% accuracy in solving, enhancing my understanding of data structures and algorithms, with a focus on backtracking for optimal performance and clarity, achieving over 160% skill enhancement.
- Tools - Data Structures and Algorithms, Java

SaeGreen   **Debris/Plastic detection using AI**
- Developed AI systems for real-time detection and monitoring of pollutants in water bodies, achieving up to 90% accuracy, detecting over 100+ instances of plastic to date, created during a hackathon with teammates.
- Technology - YOLOv8, Deep Learning, OpenCV, Python, React.js, Django, MySQL

ExchangeNest   **Stock Prediction and Exchange**

- Developed an intuitive website facilitating stock exchange and prediction, capable of handling over 1000 transactions daily. Achieved a 10% increase in user interaction ease, resulting in a 120% daily transaction volume growth.
- Technology - React.js, Node.js, Express.js, MongoDB, Docker. DeployedLink

Fleeker   **Smart Social Media App**
- Created a smart social media app using networking algorithms for personalized connections and content recommendations, showcasing personal initiative and innovation in project development which helped in 40% increase of user engagement.
- Technology - Java, XML, Firebase, Android Development. Release

Skills

Languages- C++ | Java | Python | Typescript | JavaScript | Dart | Kotlin | C
Technologies & Tools - Data Structures and Algorithms | Node.js | React.js | Django | Flutter (Hybrid App Development) | MongoDB | MySQL | Express.js | HTML5 | CSS3 | Bootstrap | Tailwind | Git | GitHub | Android development | Natural Language Processing (NLP) | Deep Learning | Artificial Intelligence (AI) & Machine Learning (ML) | Project Management | Unix/Linux environments | System Design | Operating System | Computer Networks

Education

Bennett University (TOI), India   **2022-2026**
- BTech (CSE) | CGPA: **9.67**

Accomplishment

- **Certifications & badges**
    - **Meta Front-End developer**   **Nov'23**
      Obtained- certificate & badge
    - **Meta Back-End developer**   **Apr'24**
      Obtained- certificate & badge
    - **Data Structures and Algorithms Specialization**   **Apr'24**
      Obtained- certificate & badge
- **Hackathons & Coding-contest**
    - **ENIGMA'24 Hackathon**   **Apr'24**
      Winner, Organized by **Hack2Skill**
    - **Haccacino'24**   **Apr'24**
      Participated, Organized by **You.com**
    - **SIH'23**   **Sep'23-Oct'23**
      Participated, Organized by **Government**
    - **Spin the CODE - 2022**   **Nov'22**
      Ranked **2nd**, Organized by **GeeksForGeeks**

Positions of Responsibility

- **Blockchain**   **Oct'22-jul'23**
  Technical team member