

Samyak Raka

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EDUCATION

- **K. K. Wagh Institute of Engineering, Education and Research** Nashik, India
Bachelor of Technology - Computer Engineering; CGPA: 8.61/10 2022 – 2026 (3rd Year)
- **Matoshri Junior College** Mhasrul, Nashik
Senior School (12th); Passed with 83% 2022
- **Espalier The Experimental School** Nashik
High School (10th); Passed with 89.8% 2020

SKILLS

- **Programming Languages:** Python, C, C++, Java, HTML, CSS, JavaScript, TypeScript, JQuery, Tailwind CSS
- **Machine Learning:** TensorFlow, Keras, PyTorch, NumPy, Pandas, OpenCV, Langflow, Scikit-learn, NLP
- **Web Development:** Flask, Django, MySQL, MongoDB, Bootstrap, Firebase, ReactJS, ExpressJS, NodeJS, NextJS, Streamlit
- **APIs and Tools:** Google Cloud, Google Translate API, Gemini API, yt-dlp, SpeechRecognition, gTTS, Text Analytics
- **Developer Tools:** Git, Google Cloud, VS Code, Visual Studio, AWS, Arduino IDE, Pillow, JSON, Android Studio
- **Others:** Arduino, Raspberry Pi, Figma, Canva, MS Excel, AstraDB, Data Structures, Algorithms
- **Currently Learning:** React Native, Flutter

PROFESSIONAL EXPERIENCE

- **DKTech Solutions** Remote
Web Developer Sep 2024 – Jan 2025
 - **Website Development:** Designed and developed an engaging, user-focused website for a tech solutions startup, catering to various hardware and software needs.
 - **Impact:** Contributed to a 96% boost in brand visibility and user engagement, playing a pivotal role in the startup's market growth and expanding its online presence.
- **Hacktoberfest 2023 and 2024** Remote
Open Source Contributor Oct 2023 , 2024
 - **Contribution:** Contributed to 14+ open-source repositories, improving documentation, fixing bugs, and adding new features.
 - **Collaboration:** Gained hands-on experience in collaborative coding, enhancing software for a community of over 10,000+ developers globally.

PROJECTS

- **MedBot: An Intelligent Medical Assistant:** An intelligent chatbot providing accurate medical information, preliminary assessments, and appointment scheduling assistance, leveraging real-time data and personalized health advice. Tech: Flask, MongoDB, HTML, CSS, Python, Scikit-learn, Pandas, Gemini API, NumPy.
- **Astralytics: Transform Your Social Media Strategy with AI-Powered Insights:** A cutting-edge social media analytics platform enabling businesses and content creators to optimize their online presence using AI-driven insights. Tech: Next.js, Node.js, Langflow, Astra DB, React.js, Python, AI-Driven Insights.
- **Resume Filtration Using ATS Scorer:** Automated resume filtration system for recruiters, leveraging text extraction, preprocessing, and similarity scoring to efficiently shortlist candidates against specific job requirements. Tech: Python, Flask, Next.js, NumPy, Scikit-learn, MongoDB, Text Analytics.
- **YouTranscribe: A Comprehensive YouTube Transcription and Translation Tool:** Streamlit-based application for transcribing, translating, summarizing, and generating audio files from YouTube videos to enhance accessibility across languages. Tech: Python, Streamlit, yt-dlp, SpeechRecognition, gTTS, Google Translate API, NLP, JSON, Summarization Techniques.
- **Video Teaching Assistant: AI-Powered Interactive Learning Tool:** A Flask-based application integrating live video streaming, image capture, audio transcription, language translation, and AI-generated responses to enhance teaching and learning experiences. Tech: Flask, OpenCV, SpeechRecognition, Google Generative AI, gTTS, HTML, CSS, JavaScript, Google Cloud Services, Pillow, Python.

HONORS AND AWARDS

- **Smart India Hackathon 2024** Finalist (August 2024 - December 2024): Secured second place for developing a hardware-enabled Root of Trust solution.
- Top 10 Finalist, **Shaastra Smart City Challenge** (December 2022 - January 2023): Reached the finals in my debut hackathon, gaining insights into renewable energy and improving presentation skills.
- Finalist, **Kleos 2.0 (D.Y. PATIL, Navi-Mumbai)** and **SunHacks 2k24 (Nashik)** (2024): Achieved finalist positions in both prestigious hackathons.

POSITION OF RESPONSIBILITY

- **Student Ambassador for IDS Bharat Blockchain Network**
Represented the initiative, promoting blockchain awareness and adoption among peers.
- **Creative-Social Media Committee Member, Debugger's Club, KKWIEER**
Led social media campaigns and creative initiatives to enhance the club's presence and engagement.
- **Committee Member, Institutions Innovation Council**
Worked to systematically foster a culture of innovation and build a start-up ecosystem within the educational institution