

NIKHIL KUMAR

Male, 20 years | English, Hindi, Magahi | nikhil.kumar707128@gmail.com | [LinkedIn](#) | [GitHub](#) | Bengaluru, KA

Educational Qualifications			
B.E (Information Science)	~2024	Bangalore Institute of Technology, Bengaluru	8.74/10 (current)
Senior Secondary (Class XII)	2020	C. R. Oasis Sr. Sec. School, New Delhi	8/10
Higher Secondary (Class X)	2018	De Nobili School, Sijua	95.6 %

Skills	Languages: Python, Java, C, Bash Frameworks: Keras, Tenserflow, PyTorch, HuggingFace ML Workflow: Web Scraping (BeautifulSoup, Requests), Data Visualization (Matplotlib, Seaborn), Data Processing (Pandas, Numpy, Scipy), Model Building (Scikit-Learn) Miscellaneous: Git, Shell Scripting, SQL* Operating System: Windows, Linux, Mac
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Experience		
TAKSHA	<ul style="list-style-type: none">Launched a startup, catering to students from tier 3 through faculties from esteemed varsities like IITs, NITs, BITS, etc.<ul style="list-style-type: none">Contacted local schools and stakeholders to start a co-learning space for studentsCompiled and analyzed data of the K-10 segment in tier 3 cities to devise the cost and financials of the institutionAssessed the team in hiring of mentors and operations of centers	Nov 2020 - Jun 2021
KOHAI	<ul style="list-style-type: none">Collaborated with a team of psychologist in analyzing data to provide mental well-being cure to school students<ul style="list-style-type: none">Analyzed and produced reports allowing to monitor various indices and patient's needs closelyActively assisted in quantitative analysis of predictive models using various machine learning tools to address treatment issues	Mar 2021 – Jun 2021
CP Expert: OSCODE	<ul style="list-style-type: none">Tested and verified the correctness of over 100 programming problems included in competitive programming contests in the college.Designed exhaustive sets of testcases to evaluate solutions submitted by over 150-200 candidates on each problem.	Oct 2021 - Present
Teaching Assistant: Microcontroller Laboratory	<ul style="list-style-type: none">Prepared lessons according to course outline to convey required material and deepen student understanding of subject matter<ul style="list-style-type: none">Taught small groups of students focused on specific parts of courseworkGraded assignments, proctored tests according to processes outlined by professor, department and university	May 2022 - Present
Opensource Contributor: GSSOC	<ul style="list-style-type: none">Selected in GSSOC, a 3-month program conducted by Girl Script with focus on Opensource.<ul style="list-style-type: none">Applied knowledge of git and bash commands through contribution to multiple projects	Mar 2022 - May 2022

Projects	
Automate Product Categorizing	Built this project for an ecommerce startup to automate the process of categorizing products based on color patterns . <ul style="list-style-type: none">Equipped to take a thousand Images as input. Utilizes. Open-Cv libraries for detection & sorting. Uploads the results on cloud Tech: Python, Computer Vision, Shell Script, Pandas, Matplotlib, APIs
Disease Identification on Tomato Plant	Project focused on classification of diseases in Tomato Plant <ul style="list-style-type: none">Cleaned the image dataset and developed image processing pipeline for efficient extraction of symptoms from plantTrained the segmentation model on a custom architecture using VIT to integrate Resnet101 Tech: Python, FastAI, PyTorch, HuggingFace
Semi-Automatic Vehicle	Devised a prototype of semi-automatic vehicle responsible for dousing various classes of fires . <ul style="list-style-type: none">Utilized the application of Fluid Mechanics for controlling vehicle's arms.Arduino to program the vehicle's circuit to be remotely controlled

Honors & Accomplishments	HackerRank: 5★ in Problem Solving, HackerRank: 5★ in Python Secured 98/100 in CISCE 2018, Computer Science
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Hobbies	Reading History Teaching Video Games
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