Suket Kamboj

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Education

Kalinga Institute of Industrial Technology   2022-2026

Bachelor of Technology in Computer Science Engineering: CGPA: 8.75 / 10.00   *Bhubaneshwar, Odisha*

- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems (Linux), Object-Oriented Programming (Java), Database Management Systems, Computer Networks, Distributed Operating Systems, Software Engineering, Probability and Statistics, Discrete Mathematics, Machine Learning, Artificial Intelligence, Quantum Computing

Experience

CyberVault KIIT — Founding Member & President   Aug 2024 – Present

- Spearheaded 2 Capture-The-Flag (CTF) competitions and 4 workshops with 500+ participants each. Leading event coordination, challenge development, and participant engagement to ensure a smooth experience.

Geeks For Geeks KIIT Chapter — Technical Head   Jul 2023 – Present

- Successfully organized and executed 3+ technical events with over 3,000 total registrations, overseeing logistics, marketing, and speaker coordination to ensure smooth operations and high attendee engagement.
- Strengthened collaboration with a team of 10 AI/ML enthusiasts to implement 5 innovative solutions and projects.
- Actively contributed as a volunteer in a Competitive Programming Hackathon, facilitating smooth operations for over 500 participants.

Kodewreck KIIT — Competitive Programmer   Nov 2023 – Present

- Achieved 3 Stars on CodeChef with a rating exceeding 1690.
- Earned Specialist rating (1440+) on CodeForces by tackling advanced programming problems in over 30 contests.
- Mastered 500+ LeetCode challenges, enhancing algorithmic problem-solving efficiency by 200%.

Projects

KIIT-Katalog | *NextJS, React, Vercel AI SDK, Gemini, Python*   Nov 2024 - Feb 2025

- Engineered a comprehensive online repository of past year question papers with an integrated RAG-powered chatbot, allowing 4,000+ active users to interact with 500+ exam documents.
- Implemented robust database architecture and optimized search algorithms, reducing query response time by 65% while handling 20,000+ page views in the first week of deployment.
- Orchestrated seamless deployment on Vercel, incorporating CI/CD pipelines that increased development efficiency by 40% and ensuring 99.9% up-time for a growing user base of 4,000+ students

Handwritten Equation Solver | *Flask, Python, Tensorflow, CNN*   Oct 2024 - Nov 2024

- Designed and developed an AI-powered equation solver capable of solving handwritten mathematical equations, including simple arithmetic and linear equations with 1 or 2 variables.
- Applied Convolutional Neural Networks (CNNs) to recognize handwritten digits and symbols, achieving an accuracy of 93% on a test set of 500 samples.
- Leveraged TensorFlow Keras for model training and optimization, enabling equation processing in under 500 milliseconds per query.

KRS Door Automation | *Python, Jupyter Notebook, bash, Raspberry Pi, Linux*   Feb 2024 - Jun 2024

- Deployed an advanced facial recognition system with anti-spoofing capabilities using CNN and YOLO, automating door access for verified personnel and reducing manual security checks by 80%.
- Achieved over 95% accuracy in detecting and verifying faces.
- Integrated the model into an automated door system, enhancing security and convenience for more than 200 people.

Neural Nitro AI | *Unity3D, C#, itch.io*   Oct 2023 - Nov 2023

- Engineered a racing game using Unity 3D, enabling players to race while tracking their time.
- Constructed an advanced AI capable of navigating unseen racetracks with 99% greater speed than humans.
- Leveraged Proximal Policy Optimization for quick and efficient training of AI.

Technical Skills

Languages: Python, Java, C, C++, C#, JavaScript, TypeScript, Bash

Technologies: TensorFlow, PyTorch, Unity3D, Ghidra, Ida Pro, JADX, Android Studio, Radare2, NextJS, React, Vercel-AI-SDK

Concepts: Operating System, Artificial Intelligence, Machine Learning, Neural Networks, LLMs, API, Reinforcement Learning, Object-Oriented Programming, Natural Language Processing, ML Model Design, Reverse Engineering, Computer Vision, Generative AI, Socket Programming.