

ASHUTOSH KUMAR



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OBJECTIVE

Motivated and detail-oriented Computer Science student with strong foundations in Software Development, AI, and Machine Learning. Seeking to apply a keen analytical mindset and problem-solving skills to a cybersecurity role, leveraging a proven ability to build, optimize, and deploy secure applications. Quick learner with a passion for innovation in development and security.

SKILLS AND INTERESTS

Programming Languages	Python, Java, HTML, CSS, SQL
Framework/Tools	Flask, Django, RESTful APIs, Burp Suite
Database	SQL
Security Skills	OWASP, Vulnerability Assessment, Network Security, Incident Response
Data Visualization	Power BI
Operating Systems & Core CS	Linux Basics, Operating System Concepts, Data Structures & Algorithms (DSA)
Soft Skills	Critical thinking, Problem Solving, Team Collaboration, Time Management

EDUCATION

Sri Krishna Institute of Technology, Bangalore	2022-2025
Bachelors of Engineering in Computer Science and Engineering	CGPA: 7.92
Acharya Polytechnic, Bangalore	2019-2022
Diploma in Computer Science and Engineering	CGPA: 7.89

WORK EXPERIENCE

Freelance AI Analyst Outlier.ai <ul style="list-style-type: none">Evaluated AI-generated responses for quality and accuracy.Provided feedback to improve AI model performance.	Oct 2024 – Present
Data Science Intern iStudio <ul style="list-style-type: none">Implemented machine learning models for predictive analytics.Used Python, NumPy, and data visualization tools for model evaluation.Conducted exploratory data analysis (EDA) to extract meaningful business insights.	Feb 2025 – Jun 2025
Artificial Intelligence Intern Ethical Bytes <ul style="list-style-type: none">Built AI voice assistant automating 50+ daily tasks.Improved natural language processing and machine learning models.	Jan 2024 – Feb 2024
Power BI Job Simulation PwC <ul style="list-style-type: none">Created dashboards for call center optimization.Enhanced data-driven decision-making by 25%.	Nov 2024 – Dec 2024

CERTIFICATIONS

- ✓ Excel Skills for Business – JP Morgan Chase & Co. (Job Simulation)
- ✓ Naukri Young Turks – Percentile: 95.46%

PROJECTS

- AI-Powered Virtual Assistant**
 - Developed a voice-activated virtual assistant using Python and Flask, automating question paper generation, reducing manual workload and saving up to 5–10 hours per week for educators, thereby improving operational efficiency by 40%.
 - Integrated Google Vertex AI and Speech Recognition, enhancing the assistant's functionality and user experience.
 - Technologies:** Python, Flask, Vertex AI, Speech Recognition, PyMuPDF, python-docx, REST APIs, NLP.
- Air Drawing (Virtual Pen) Using Hand Gestures**
 - Designed and implemented a real-time virtual pen application allowing users to draw in the air using finger tracking via webcam.
 - Integrated gesture recognition for drawing, color switching, canvas clearing, and saving drawings.
 - Technologies:** Python, OpenCV, MediaPipe, NumPy.
- Image Classification using Python**
 - Built an image classification model using TensorFlow, and enhanced processing speed.
 - Technologies:** Python, Flask, HTML, CSS

POSITIONS OF RESPONSIBILITY

Tech Fest Volunteer Head – Sri Krishna Institute of Technology