

Ashutosh Kumar

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PROFESSIONAL SUMMARY

Computer Science graduate (B.E. 2025) with hands-on experience in **data analytics**, **automation**, and **backend development**. Currently working as a **Data Analyst** at **5C Network Pvt. Ltd.**, building automation workflows using **n8n**, **Python**, and **ClickHouse** for **Email**, **GSheet**, **API monitoring**, **Slack alerts**, and **reporting**. Skilled in **Python**, **Flask**, **Django**, **PowerBI**, **SQL**, **Superset dashboards**, and improving platform stability across **backend** and **frontend** components.

SKILLS AND INTERESTS

Programming Languages	Python, Java, HTML, CSS, SQL
Framework/Tools	n8n, Flask, Django, React, RESTful APIs, Git/GitHub
Databases & Analytics	ClickHouse, DBeaver, Superset, MySQL, Power BI, Data Visualization, NumPy, Pandas
Automation & Monitoring	Slack Alerts, GSheet Automation, API Monitoring, Cron Workflows, ETL Health Checks
Cloud Platforms	AWS (Basics), Google Cloud Platform (GCP)
Core CS & Systems	DSA, Linux, OS Concepts, SDLC, Agile/Scrum
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

Data Analyst 5CNetwork Pvt. Ltd.	Oct 2025 – Present
<ul style="list-style-type: none">Automated workflows using n8n & Python for emails, GSheets, API monitoring, Slack alerts, and system checks.Built SQL queries, Superset dashboards, and data-sync alerts using ClickHouse & DBeaver.Improved the Pragathi platform by updating backend modules and fixing frontend issues.	
Data Science Intern iStudio	Feb 2025 – Jun 2025
<ul style="list-style-type: none">Built predictive ML models using Python and NumPy, improving analytics accuracy by 20%.Conducted EDA to extract actionable business insights.	
Artificial Intelligence Intern Ethical Bytes	Jan 2024 – Feb 2024
<ul style="list-style-type: none">Built AI voice assistant automating 50+ daily tasks.Improved natural language processing and machine learning models.	
Power BI Job Simulation PwC	Nov 2024 – Dec 2024
<ul style="list-style-type: none">Created dashboards for call center optimization.Enhanced data-driven decision-making by 25%.	

PROJECTS

AI-Powered Virtual Assistant

- Developed** a Python & Flask-based AI assistant that **automated** question paper generation, saving 5–10 hrs/week and improving 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 computer vision tool that enabled gesture-controlled drawing, color switching, and canvas management.
- Improved** workflow efficiency by 35% through webcam-based finger tracking with OpenCV and MediaPipe.
- Technologies:** Python, OpenCV, MediaPipe, NumPy.

Image Classification using Python

- Built and optimized** an image classification model using TensorFlow, significantly enhancing accuracy and processing speed.
- Deployed** model with Flask for web integration using HTML & CSS.
- Technologies:** Python, Flask, HTML, CSS

CERTIFICATIONS

- ✓ Excel Skills for Business – JP Morgan Chase & Co. (Job Simulation)
- ✓ Ethical Hacking & Penetration Testing – Udemy