

AYUSH KUMAR

Data Analyst · Software Developer · AI/ML & Data Engineering Enthusiast

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EDUCATION

Bennett University , Greater Noida B.Tech. in Computer Science & Engineering (AI & ML)	2022 – 2026 (Expected)
Ryan International School , Greater Noida Class XII (CBSE)	2022
Ryan International School , Greater Noida Class X (CBSE)	2020

EXPERIENCE

Preside Engineering Services Pvt. Ltd. <i>AI & ML Intern — Gurugram, Haryana — Hybrid</i>	Jan 2026 – Apr 2026
<ul style="list-style-type: none">Built automated Python pipelines using Pandas for machine-log ingestion, data cleaning, validation, and structured storage for downstream analytics.Improved SQL workflows using CTEs, window functions, and partition-aware queries to speed up reporting, monitoring, and analysis.Worked on machine learning model monitoring, drift detection, retraining support, and documentation for the TEAMCENTER AI Powered Extension project.	

Freelance <i>Web Developer — Remote</i>	Dec 2025 – Jan 2026
<ul style="list-style-type: none">Designed and deployed responsive websites using Next.js, TypeScript, and Tailwind CSS with reusable components and clean UI structure.Implemented Vercel deployment, custom domain setup, performance tuning, and SEO-friendly content structure for faster global delivery.Delivered live projects: https://preside-work.vercel.app and https://presidegroup.com.	

MADAD GURU Foundation <i>Web Developer and AI Chatbot Engineer</i>	Oct 2024 – Jan 2025
<ul style="list-style-type: none">Engineered backend architecture using Node.js, Express.js, and REST APIs for scalable and maintainable web applications.Built and deployed an AI chatbot using Llama API, embeddings, and RAG for semantic retrieval and user interaction.Supported deployment and stakeholder communication for the official platform at https://madadguru.com.	

PROJECTS

Cyber Risk & Compliance Analytics Dashboard https://github.com/Ayush2554work/Cyber-Risk-Compliance-Analytics-Project	
<ul style="list-style-type: none">Built an end-to-end analytics solution using Python (Pandas, NumPy), MySQL, and Power BI; designed a multi-table relational schema managing 5,000+ security records.Developed ETL pipelines for cleansing, transformation, and reporting; used advanced SQL joins and aggregations to calculate risk posture and remediation SLA insights.Delivered interactive dashboards for executive KPIs, departmental risk distribution, and prioritized vulnerability analysis.	
DermOscan – Skin Disease CNN Classifier https://github.com/Ayush2554work/DermOscan	
<ul style="list-style-type: none">Developed a CNN-based medical image classifier using TensorFlow and transfer learning (ResNet) with a structured preprocessing and evaluation pipeline.Applied feature engineering and model tuning to improve classification workflow and experimental reproducibility.Used the project to strengthen problem-solving in image processing, model evaluation, and deep learning workflows.	
<i>Full project portfolio: https://www.ayushky.me/projects</i>	

SKILLS

Programming: Python (Pandas, NumPy, Scikit-learn), SQL, Java, JavaScript, TypeScript	Web & Backend: Next.js, Tailwind CSS, Node.js, Express.js, REST APIs, Git/GitHub, Vercel
Data & ML: Data Analysis, Feature Engineering, Model Evaluation, Model Monitoring	Core CS: DSA, OOP, DBMS, OS, CN
Data Engineering: ETL Pipelines, Data Preparation & Cleansing, Data Modeling, Data Warehousing	ML/DL: Supervised Learning, CNNs, TensorFlow, PyTorch, Transfer Learning
Analytics Tools: Power BI, Tableau, Excel, Data Visualization	GenAI: LLMs, Prompt Engineering, RAG, Embeddings

ACHIEVEMENTS & CERTIFICATIONS

Achievements

- Finalist, Smart India Hackathon 2024: Developed an AI yoga-mat system with wearable motion capture sensors.
- Microsoft Innovate Hackathon 2025 (Round 2): Smart Energy IoT proposal selected for project representation.

Certifications

- Machine Learning with Python – IBM
- Deep Neural Networks & NLP Fundamentals – DeepLearning.AI
- Supervised Machine Learning: Classification – IBM
- Data Structures & Algorithms – UC San Diego
- The Bits and Bytes of Computer Networking – Google