

Shivam Kumar Kashyap

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EDUCATION

VIT Bhopal University <i>B.Tech in Computer Science and Engineering, CGPA: 7.69</i>	2022 – 2026 <i>Bhopal, India</i>
Atomic Energy Central School <i>Class XII – CBSE, 73%</i>	2020 – 2022 <i>Indore, India</i>
Atomic Energy Central School <i>Class X – CBSE, 88%</i>	2019 – 2020 <i>Indore, India</i>

EXPERIENCE

Raja Ramanna Centre for Advanced Technology (RRCAT) <i>Machine Learning Intern</i>	Nov 2024 – Jan 2025 <i>Indore, India</i>
<ul style="list-style-type: none">– Built data acquisition pipelines (web scraping, CSV/Excel integration, preprocessing) for beam diagnostic datasets.– Developed a Python GUI for real-time/offline visualization with anomaly detection.– Applied ML models (SVM, KNN, FBNN, CNN) to enhance electron beam position prediction accuracy.	

PROJECTS

Heart Disease Prediction using ML <i>Python, Scikit-learn, Pandas</i>	2025
<ul style="list-style-type: none">– Designed and evaluated multiple ML models (SVM, Logistic Regression, Decision Trees) for heart disease prediction.– Improved model accuracy by 15percent through optimized feature selection and preprocessing.– Performed EDA and visualization to identify key health indicators influencing heart disease risk.– Applied scikit-learn, pandas, numpy, matplotlib for end-to-end model development and analysis.	
MindTrack: Stress-Aware Chatbot for Mental Wellness <i>React.js, FastAPI, PostgreSQL, Docker</i>	2024
<ul style="list-style-type: none">– Built an AI-powered chatbot integrating keystroke dynamics and sentiment analysis to detect user stress levels in real time..– Developed ML models (Random Forest, LSTM, BERT) to classify stress patterns from text and typing behavior with high accuracy..– Designed and deployed a privacy-first web app using React, FastAPI, and PostgreSQL with interactive dashboards for stress trend visualization.– Implemented personalized micro-interventions (guided breathing, affirmations, journaling prompts) to improve user engagement and wellbeing.	

TECHNICAL SKILLS

Languages: C++, Java, Python, C, SQL, JavaScript

Frameworks & Tools: React.js, Next.js, PyTorch, TensorFlow, Git

Libraries: Pandas, NumPy, Matplotlib, Scikit-learn

Concepts: Machine Learning, Deep Learning, Data Analysis, Web Development

CERTIFICATIONS

Artificial Intelligence & Data Science — Centre for Development of Advanced Computing (C-DAC)

Product Analytics Certification — Pendo.io

Product-led Certification- Pendo.io