Ashish Khatri

B. Tech CSE with specialization in AI & ML
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1. EXPERIENCE | AFAME Technologies

- **Web Development Intern (Remote) | Front-End Development · Portfolio Management | Dec 2024 - Jan 2025**
  - Collaborated with 30+ peers, each developing individual front-end projects, by offering design feedback and usability insights.
  - Redesigned responsive layouts using minimal techniques, boosting user engagement by 25% and performance by 15%.

2. PROJECTS

- **a) AI Voice Chatbot (Group Project) | NLP · Speech Recognition · Tkinter · Web Automation | Mar – Apr 2025**
  - Built a multifunctional AI chatbot with GUI using Python and Tkinter, supporting both voice and text commands.
  - Integrated speech recognition, text-to-speech, Wikipedia API, and dynamic web search features.
  - Enabled file/app launching, web automation (e.g., Google, YouTube), and theme toggling (dark/light).

- **b) Reinforcement Learning & Data Visualization Projects | Python · PyTorch · OpenAI Gym · Pygame · Matplotlib | Feb – Mar 2025**
  - Implemented and tested RL algorithms like Q-learning, SARSA, DQN (CartPole), DDPG (Bipedal), and Tic-Tac-Toe, simulating 500+ episodes with hyperparameters ($\alpha=0.1$, $\gamma=0.9$, $\epsilon=0.1$).
  - Created 10+ visualizations including Q-table heatmaps, reward graphs, and real-time simulations.
  - Applied data visualization techniques on the Iris dataset with Matplotlib, using PCA, K-Means, and Silhouette scores to evaluate clustering and plot KNN decision boundaries post-dimensionality reduction.

- **c) Computer Vision & DBMS Projects | Python · Image Processing · Image Transformation · MySQL | Sep – Dec 2024**
  - A comprehensive CV pipeline including histogram equalization, log/power-law transforms, morphological ops, and geometric/frequency transforms (e.g., affine, projective, Fourier).
  - Applied feature extraction (Canny, HOG, DoG), RANSAC with Homography, Hough Transform, and implemented classification using KNN, Naive Bayes, and Neural Nets.
  - Designed 10+ relational databases in MySQL with 5+ tables each; performed table alterations, SQL queries using aggregate functions, joins, and relational operators for structured data analysis.

3. ACADEMIC BACKGROUND

- **VIT Bhopal University | Nov 2022 - Jun 2026**
  - B. Tech Computer Science Engineering with Specialization in AI & ML - **8.43 C.G.P.A.**
- **Rishikul Vidyapeeth Sonipat | C.B.S.E.**
  - 12TH (Jul 2021) - **83.4%**
  - 10th (May 2019) - **92.2%**

4. SKILLS

- **Programming Languages:** Java, Python, C++
- **Web Development:** React.js, Node.js, JavaScript, HTML & CSS
- **Technologies/Tools:** VS Code, Google Colab, Gamma, Canva & GPT Tools

5. ACHIEVEMENTS

- Infosys Springboard Certificates in AI Domain | **Infosys Springboard** | Jun 2025
- AWS Solutions Architect - Associate Certification Program | **Ethnus** | Apr 2025
- AWS Academy Badges | **AWS Academy** | Apr 2025
- Computer Vision | **Vityarthi** | Nov 2024
- Applied Machine Learning in Python | **Coursera** | Dec 2023

6. EXTRACURRICULAR

- Solved 250+ problems on LeetCode and 150+ on GFG with a 120+ day coding streak; earned 50 & 100-Day LeetCode Challenge badges for consistency.
- Secured 1st School-Rank in VVM 2018; participated in various national-level quizzes & competitions.

7. LANGUAGES

- **English** – Working Proficiency (5+ years)
- **Hindi** - Full Professional Proficiency (10+ years)
- **Haryanvi** - Native Verbal Proficiency (15+ years)