

SUMMARY

CS student specializing in AI/ML with a strong foundation in DSA and full-stack development. Experienced in building user-focused, real-world applications through hackathons, startups, and internships. Passionate about building scalable, high-impact systems and committed to professional growth as a software engineer.

EDUCATION

- Bennett University**
Bachelor of Technology - Computer Science Engineering; CGPA: 9.22

Greater Noida, India
July 2024 - June 2028

SKILLS SUMMARY

- Languages:** Python, C++, Java, JavaScript, SQL
- AI/ML:** PyTorch, TensorFlow, Scikit-learn, NumPy, Pandas, OpenAI, LLMs
- Frameworks :** React.js, Next.js, Flask, Tailwind CSS, Bootstrap
- Tools:** AWS, Git, GitHub, Node, REST APIs, Cloudinary, Supabase, Docker, Android
- Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Machine Learning, Deep Learning, Agile Methodologies

EXPERIENCE

- TAGO (NFC-Based Smart Card Startup)**
Tech Intern
○ Redesigned the user dashboard and NFC-linked digital profile system, reducing profile setup time and improving onboarding flow for 1000+ active users.
○ Resolved 7+ critical bugs and shipped 4 feature enhancements to the customer portal, improving stability and user experience.
 - SYNIQ (A Car Pooling Startup)**
React Native Frontend Developer Intern
○ Built zero-tap chat initiation on ride acceptance, reducing driver-rider communication friction and increasing in-app message engagement.
○ Enforced version control across Android and iOS, cutting crash reports from outdated builds during the starting phase of release.
○ Shipped 3-layer verification (personal, vehicle, organizational) that reduced fraudulent account attempts.

Remote
August 2025 - October 2025

Remote
January 2026 - February 2026

RESEARCH EXPERIENCE

- Effectiveness of Data Augmentation Strategies in Medical Imaging**
Research Project
○ Evaluated 15 data augmentation strategies across ResNet-18, EfficientNet-B3, and ViT-B/16 on a 14-class skin lesion dataset.
○ Found MixUp works best for standard CNN models, reaching **86.21%** accuracy (ResNet-18) and **84.71%** (EfficientNet-B3), while AC-GAN performed best for Vision Transformers at **83.22%** accuracy.
○ Augmentation effectiveness is architecture-dependent — MixUp and CutMix help CNNs but hurt ViT-B/16 by up to 15 pp due to disrupted global attention.

Team of 2

PROJECTS

- Chikitsak – AI Emergency Hospital Recommendation Platform (React.js, Flask, MongoDB, DistilBERT, Graph Algorithms):** Built an AI system to fix a life-threatening gap in emergency care — patients picking the nearest hospital instead of one equipped to treat them. Fine-tuned a DistilBERT model (deployed on Hugging Face) to classify severity from voice (Whisper)/text symptoms, then recommended hospitals using real-time ICU, bed, and ventilator data. Deployed dual patient webApp and doctor’s portal (Vercel, Render) with resource dashboards.
- CNN-based Lung Disease Detector (Python, DenseNet121, TensorFlow, Keras):** Developed a convolutional neural network model trained on chest X-ray datasets containing Normal, Bacterial Pneumonia, Viral Pneumonia, COVID-19, and Tuberculosis images. Achieved high classification accuracy using image preprocessing, feature extraction, and an optimized DenseNet121-based architecture.
- JanConnect – Civic Issue Reporting Mobile Application (React Native, Supabase, Cloudinary):** Developed a mobile application enabling citizens to report civic issues with real-time location tagging, media uploads, and status tracking. Integrated a dedicated contractor dashboard within the same application to manage tenders, track assigned issues, and streamline resolution workflows efficiently.

CERTIFICATIONS

- AWS Certified Cloud Practitioner**
Credential Verification Link

Amazon Web Services
2025

ACTIVITIES & ACHIEVEMENTS

- Top 10 National Finalist at Productathon**
National Finalist at IIT Roorkee hackathons, reached final rounds out of 500+ teams pan-India
 - Dean Career Cloud (DCC)**
Senior Executive Corporate & Alumni Relations Team
 - Technical Communities & Hackathons**
CodeChef BU Member & 7+ Hackathon Participant

IIT ROORKEE

Bennett University
2025 - Present

University & National Level
2024 - 2025