Himanshu Gupta

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EDUCATION

- **B.Tech in Computer Science and Engineering**, VIT Bhopal University - CGPA: 8.41/10.00 — 2022-2026
- **Senior Secondary School Certificate**, Sacred Heart School (CBSE) - 70.4% — 2021
- **Secondary School Certificate**, A.P International School (ICSE) - 93% — 2019

TECHNICAL SKILLS

- **Programming Languages**: Java, Python, JavaScript, TypeScript, C++, SQL, HTML5, CSS3
- **Frontend & Mobile**: React.js, Next.js, React Native, Expo, Tailwind CSS, Bootstrap
- **Backend & APIs**: Node.js, Express.js, Flask, FastAPI, RESTful APIs, GraphQL
- **Machine Learning & AI**: TensorFlow, Keras, PyTorch, scikit-learn, Pandas, NumPy
- **Cloud & DevOps**: AWS (EC2, S3, Lambda), Firebase, Git, CI/CD, Docker
- **Databases & Tools**: MongoDB, MySQL, Firebase, VS Code, GitHub

PROJECTS

- **Labelly HealthAnalyzer – AI-Powered Mobile Application** — May 2025
  React Native, Expo, Flask, Firebase, Machine Learning APIs — Github
  - **Developed** AI-driven mobile app that scans product ingredient labels using React Native, Flask, and Firebase.
  - **Integrated** Perplexity Sonar API for instant safety scores and allergen warnings, achieving **95% scan accuracy**.
  - **Reduced** manual label research time by **over 80%** through intelligent automation and machine learning.
  - **Designed** scalable architecture supporting **thousands of scans per week** with cross-platform compatibility.

- **BSE Stock Predictor – Deep Learning Time Series Analysis** — Mar 2025
  Python, TensorFlow, Keras, Pandas, NumPy, scikit-learn — Github
  - **Developed** deep learning solution using Bidirectional LSTM achieving **98.05% R^2 accuracy** for stock prediction.
  - **Processed 3.4M+ data points** from news headlines and 20-year historical data with feature engineering.
  - **Optimized** model performance through hyperparameter tuning, reducing MAE to **2861.64**.

- **CollabSphere – Full Stack Collaboration Platform** — Mar 2024
  MERN Stack, MongoDB, Express.js, React.js, Node.js — Github
  - **Engineered** scalable web application serving **100+ active users** with **50% reduction** in partner search time.
  - **Architected** RESTful APIs with Express.js and optimized MongoDB queries achieving **40% performance improvement**.
  - **Deployed** responsive React.js frontend with Google OAuth authentication and real-time WebSocket features.

CERTIFICATIONS & ACHIEVEMENTS

- **AWS Academy Graduate – Cloud Architecting**, Credly Badge — Apr 2025
- **AWS Certified Solutions Architect – Associate**, Credential ID: XBP3L45T — Apr 2025
- **IBM AI Engineering Specialization**, Coursera Certificate — Dec 2023
- **Junior Cybersecurity Analyst Career Path**, Credly Badge — Apr 2025
- **Solved 500+ DSA Problems** (LeetCode, Codeforces) — Ongoing

LEADERSHIP & ACTIVITIES

- **Event Management Lead**, GSOC Innovators Club - Led 2-day hackathon with **400+ participants**

LANGUAGES & TECHNICAL INTERESTS

- **Languages**: English (Fluent), Hindi (Native)
- **Technical Interests**: Artificial Intelligence, Machine Learning, Cloud Computing, Mobile App Development