

# Akshansh Mittal

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## Education

- **B.Tech in Computer Science Engineering**, Bennett University (Sep 2022 – Sep 2026) CGPA: 8.6
- **B.S. in Data Science and Applications**, IIT Madras (Jan 2023 – Sept 2027) CGPA: 8.9
- **XII (CBSE)**, MVN School, Aravali Hills (2020) Percentage: 76
- **X (CBSE)**, MVN School, Aravali Hills (2018) Percentage: 83.2

## Experience

- Goldman Sachs Software Engineering Virtual Experience Program** Remote 2025
  - "Successfully completed a governance analyst job simulation, enhancing IT security by 40% through strategic and collaborative proposed enhancements."
  - Identified the use of an outdated password hashing algorithm by cracking 70% of test passwords using Hashcat, showcasing problem-solving skills, attention to detail, and a methodical approach to security analysis.
- Hewlett Packard Enterprise Software Engineering Job Simulation** Remote 2025
  - Proposed a RESTful web service, improving employee data management efficiency by 30%. Built a high-performance web server in Java Spring Boot, reducing response times by 25% and supporting JSON data uploads.

## Publications

- On-going: Mental Health Classification: Multi-Model Analysis of Text Using NLP** 2025  
G. Varshith Reddy, *Tarandeep Singh*, Akshansh Mittal, Arshit Gumber, Rhythm Jain [Link](#)

## Projects

- MoodMap: AI-based Consumer Sentiment Analysis Tool** [GitHub](#)
  - Increased customer satisfaction by 30% using sentiment analysis for surveys and social media. Achieved 40% faster data processing with real-time feedback
  - **Tech Stack:** Python, JavaScript (Dashboards), Next.js, Azure Cognitive Services, React, MySQL.
- Sculpt: AI-Powered Image Transformation Tool** [GitHub](#)
  - Improved image processing efficiency by 35% using GANs. Achieved 50% faster grayscale sketch colorization and 25% better user satisfaction in style transfer.
  - **Tech Stack:** Flask, TensorFlow, React, Next.js, CSS, JavaScript.

## Skills

- **Languages:** Java, Python, C++, JavaScript (including HTML, CSS)
- **Frameworks:** PyTorch, TensorFlow, Scikit-learn, React, Next.js
- **Databases:** MongoDB, MySQL, Firebase
- **Advanced Technologies:** Federated Learning, Differential Privacy
- **Core Subjects:** DSA, OOP, DBMS, Computer Networks, Operating System