

MANKIRAT KAUR

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Professional Summary

Goal-driven and detail-oriented Computer Science and Engineering (AI) student at Chitkara University with hands-on experience in Machine Learning, Cloud Computing, Python, and Web Development. Passionate about building scalable AI-driven systems and exploring secure cloud-based applications. Seeking to contribute to Zscaler's mission of delivering fast, secure, and reliable digital experiences.

Key Achievements

- Published research paper titled "*Error Analysis of Heat-Like Equations Using He's Polynomial*" in a Scopus-indexed journal.
- Organized **AI.Create 3.0** and **Genesis Gala** under Evolve AI Club, showcasing leadership and project coordination.
- Selected for **Overseas Immersion Program** at Middlesex University, Dubai, focused on innovation and AI collaboration.
- Completed Accenture North America's **Data Analytics Simulation** (Forage) — demonstrated strong analytical and visualization skills.

Technical Skills

Programming Languages	Python, C++, Java, JavaScript
Frameworks	Django, Flask, React.js, Node.js, Next.js
Machine Learning	TensorFlow, Scikit-Learn, Pandas, NumPy
Databases	MySQL, MongoDB, Firebase
Other Tools	Power BI, Git, Cloud Basics (GCP, AWS)
Soft Skills	Leadership, Communication, Team Management

Projects

PlantVision Guardian — AI-based Plant Disease Detection System *Python, TensorFlow, Firebase*
Developed a CNN-based model for real-time plant disease detection with mobile integration. Achieved accurate classification and cloud report generation for farmers.

CareerBridge — Intelligent Job Portal *MERN Stack, ML Integration*
Built a smart job-matching platform featuring role-based authentication, live tracking, and recommendation algorithms.

Elevate-AI — Agentic AI Platform *Groq API, Next.js*
Designed a multi-agent AI assistant system for academic and career guidance using APIs and real-time data retrieval.

Experience

Event Coordinator — Evolve AI Club, Chitkara University Mar 2024 – Present

- Organized AI-focused events and workshops enhancing awareness and hands-on learning.
- Managed event planning, technical setups, and team coordination.

Data Analyst (Virtual Internship) — Accenture North America (Forage) Jan 2025

- Analyzed and visualized multiple datasets to derive actionable business insights.
- Delivered professional client presentations with Power BI dashboards.

- Attended global innovation sessions on AI, Cybersecurity, and Cloud technologies.
- Collaborated with international peers on sustainability and technology projects.

Education

Chitkara University, Punjab2023 – 2027

B.E. in Computer Science and Engineering (Artificial Intelligence)

CGPA: 9.5 / 10

Police DAV Public School, Ambala City (CBSE)2021 – 2022

Percentage: 91%

St. Paul’s High School (ICSE)2019 – 2020

Percentage: 94.4%

Publications

- Kaur, M. *Error Analysis of (1+1) & (2+1)-Dimensional Heat-Like Equations Using He’s Polynomial*. Scopus Indexed Journal.
- Kaur, M. *AI Technology in Smart Building Automation and Management*. Published in ICATES-2024 Conference Proceedings.