SEHAJ KAUR

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ABOUT ME

Third-year B.Tech Computer Science Engineering student at Amity University Punjab with strong foundations in programming, data structures, and core computer science concepts. Experienced in MERN stack development, artificial intelligence, and machine learning, with hands-on expertise in building scalable web applications, designing RESTful APIs, and database integration. Skilled in developing data-driven solutions using Python, TensorFlow, and Scikit-learn through academic, internship, and real-world project experience.

EDUCATION

AMITY UNIVERSITY MOHALI, PUNJAB
Bachelor of Technology (B.Tech), Computer Science Engineering   CGPA: 7.80

SKILLS

- Programming Languages: C, C++, Python, JavaScript
- Web Development: HTML5, CSS3, React.js, Node.js, Express.js, Responsive Design, Media Queries
- Databases: MongoDB, MySQL (SQL)
- AI / Machine Learning: Artificial Intelligence, Machine Learning, Deep Learning, NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow
- Backend & APIs: RESTful APIs, CRUD Operations, Authentication & Authorization
- Tools & Technologies: Git, GitHub, VS Code, Postman
- Core Computer Science: Data Structures & Algorithms, Object-Oriented Programming.

EXPERIENCE

AI/ML Intern
Centre for Development of Advanced Computing (C-DAC), Mohali
June 2025 – August 2025

- Worked on real-time AI/ML projects involving data preprocessing, feature engineering, and model training.
- Implemented ML algorithms using Python, Pandas, NumPy, Matplotlib, scikit-learn, and TensorFlow.

MERN Stack Developer
ThinkNEXT Technologies Private Limited
July 2025 – December 2025

- Implemented end-to-end MERN stack applications, handling frontend, backend, and database integration.
- Built scalable RESTful APIs and dynamic user interfaces.

Virtual Intern – AI / Machine Learning
Infosys Springboard
October 2025- December 2025

- Completed a structured virtual internship in AI, Machine Learning, and Data Science.
- Worked on project involving data preprocessing, feature engineering, and ML model development.
- Gained practical exposure to machine learning algorithms, model evaluation, and industry-aligned case studies using Pandas, NumPy, and Scikit-learn.

PROJECTS

Customer Relationship Management (CRM) System
• Developed a full-stack CRM application with separate frontend and backend architecture.
• Technologies: React.js, Node.js, Express.js, MongoDB, REST APIs

Water Quality Prediction System
• Built a machine learning model to predict water potability using real-world datasets.
• Technologies: Python, Pandas, NumPy, Scikit-learn, Machine Learning

Resume–Job Fit Analyzer
• Developed an AI-based system using NLP techniques to analyse resume compatibility with job descriptions.
• Technologies: Python, NLP, Scikit-learn