

AKHAND PRATAP SINGH

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🌐 [in/Akhand Pratap Singh](#) 🐙 [github.com/AkhandGit](#) 📖 [LeetCode](#)

EDUCATION

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

November 2021 - Present

Pranveer Singh Institute of Technology, Kanpur

(CGPA of 6.53)

TECHNICAL SKILLS

Languages: Java, Python, Javascript, HTML, CSS, SQL

Tools: Version Control, MySQL

Coursework: Data Structures and Algorithms, Database and Management Systems, Operating Systems, Object Oriented Computer Networks.

PROJECTS

ChatSphere | *Node.js, Express.js, Socket.io, MongoDB, React.js* |

Ongoing Major Project

- Developed a real-time chat application, enabling instant messaging with 100+ active users simultaneously.
- Designed an interactive frontend with React.js, handling 10,000+ messages per day.
- Implemented a robust backend using Node.js and Express.js, ensuring low latency and seamless communication.

Apple Vision UI Clone project | *GSAP, JavaScript, HTML, CSS* | [🔗](#)

- Created a scroll-triggered Apple Vision UI clone, enhancing UX with 50% smoother animations.
- Designed pixel-perfect responsiveness, ensuring 100% compatibility across devices.
- Optimized animations with GSAP, reducing lag and improving performance by 40%.
- Integrated advanced parallax effects, increasing user engagement by 30%.

InsuraEase | *Java, MySQL, JDBC, Swing* | [🔗](#)

- Designed a desktop-based insurance system, reducing manual paperwork by 60%.
- Utilized MySQL and JDBC to manage 50,000+ insurance records securely.
- Automated policy tracking and claims processing, reducing errors by 25%.
- Improved customer response time by 40% through streamlined data access.

Preserve Your Heart | *Python, Machine Learning* | Academic Mini Project [🔗](#)

- Engineered a diverse array of machine learning algorithms, including Random Forest, K-Nearest Neighbors (KNN), Recurrent Neural Networks (RNN), and Support Vector Classifier (SVC), achieving a prediction accuracy of over 90%.
- Conducted detailed data preprocessing, fine-tuning, and rigorous evaluation, achieving a sensitivity rate exceeding 85%.
- Demonstrated expertise in machine learning and data science, showcasing the ability to construct reliable predictive models.

ACHIEVEMENTS AND CERTIFICATIONS

- Data Structures and Algorithms using Java from Apna College
- Data Structures and Algorithms using Python from Infosys
- HTML5, CSS3, and JavaScript Certificate from Infosys Springboard
- Training Certificate and Internship Certificate by InternsElite
- Machine Learning, Neural Networks, and Deep Learning using Python organized by IIT Kanpur
- Bootstrap Certificate from Infosys Springboard
- Achieved 5 Star in Problem Solving on HackerRank
- Solved 180+ DSA problems on LeetCode

POSITION OF RESPONSIBILITY

Technical Committee | Visual Arts Coordinator, Ignitia - College Fest

February, 2023 & April, 2024

- * Led the design of posters, banners, and other creative materials to promote events during the two-day college fest.
- * Coordinated participation of students from various colleges for events such as Coding Hackathon, Treasure Hunt, Smart City Evolution challenge, and a Technological Seminar, engaging over 1,100 students.
- * Collaborated with the event management team to ensure visual branding consistency across promotional materials.