GURLEEN KAUR MAKHIJA

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EDUCATION

VIT Bhopal University   *Sept 2022 – Ongoing*
B.Tech. in Computer Science and Engineering   ***CGPA:8.98***

TECHNICAL SKILLS

Languages: C/C++, JavaScript, HTML, CSS, MySQL
Frameworks & Libraries: React.js, Node.js, Express.js, Flask, PHP, Scikit-learn, pandas, NumPy
Developer Tools : Git/GitHub, VS Code, MySQL Workbench

PROJECTS

Autism Spectrum Disorder Detection System (Link)   May 2024 – Jan 2025
Machine Learning — Python, Flask, Scikit-learn, REST APIs
- Achieved 85%+ accuracy with Logistic Regression, SVM, Random Forest, and Decision Tree on autism prediction.
- Built a RESTful Flask API to serve a trained SVM model for Autism Spectrum Disorder prediction, enabling real-time inference from 16 behavioral inputs via JSON requests with efficient model loading and input validation.
- Enabled secure frontend-backend communication using CORS for smooth React integration.

Crafter's Corner (Link)   Nov 2023 – Apr 2024
Full Stack Web Application — HTML, CSS, PHP, JavaScript
- Developed a dynamic blogging platform featuring personal note-taking, daily motivational quotes, and streak tracking functionality—leveraging client-side scripting to boost engagement by 30%.
- Engineered a secure authentication and content management system using PHP and MySQL, enabling role-based access and efficient handling of 500+ users and 1,000+ blog posts.
- Designed a fully responsive UI with HTML, CSS, and JavaScript for seamless cross-device interaction.

Student Assistance Hub (Link)   Sep 2023 – Oct 2023
Full Stack Web Application — HTML, CSS, UI/UX, JavaScript, MongoDB, Adobe Illustrator
- Built a centralized platform enabling 10,000+ students to file complaints, request assistance, and access support—boosting resolution efficiency by 50%.
- Developed a responsive, cross-device interface with clean UI/UX for intuitive complaint submission and tracking.
- Engineered a scalable backend using MongoDB with indexing for high-performance data handling.
- Designed custom branding assets and login logos in Adobe Illustrator to enhance platform identity.

LEADERSHIP SKILLS

President, Coding Blocks Club   Sep 2023 – Apr 2025
VIT Bhopal University
- Organized 5+ hackathons and coding events with the core team, increasing participation to 300 plus students.
- Mentored over 50 students in Data Structures and Algorithms through coding bootcamps and peer sessions.

Core Member, Fine Art Club   Sep 2022 – Apr 2025
VIT Bhopal University
- Designed posters and digital creatives using **Figma** and Canva for campus events in coordination with event teams.
- Contributed to 10+ tech and cultural drives by creating visual content aligned with team vision and event themes.

CERTIFICATIONS & TRAINING

- Completed IBM's **GenAI Certification** by building NewsAISummarizer, a chatbot using **Watsonx.ai**, showcasing skills in **prompt engineering**, **foundation models** and **LLM integration**.

- Ranked in the **Top 5%** nationwide in NPTEL's **Cloud Computing** course and earned **Elite+Silver certificatio**n with focus on **cloud architecture**, virtualization, and Kubernetes.

- Certified as a **MERN Stack Developer** by SmartBridge with hands-on experience in building full-stack web apps using **MongoDB**, **Express.js**, **React.js**, and **Node.js**.

- Completed NPTEL's **Marketing Analytics** course and applied **R programming** for customer segmentation, regression modeling, and marketing performance analysis.

AWARDS & ACHIEVEMENTS

- **Finalist, VIT Bhopal Hackathon**
  Recognized among 150+ teams for developing **VAN (VIT Alumni Network)**, an alumni engagement platform.

- **Tech Innovation Award, E-Green Club**
  Honored for leading the backend development of **Trashinator**, a smart solution for sustainable waste management.