Gaurav Kumar

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Education

Vellore Institute of Technology University   September 2022 – Ongoing
B.Tech, Department of Computer Science and Engineering   *CGPA: 8.15*

Technical Skills

Languages: Python, C++, HTML/CSS, Javascript,React.js, SQL
Core Concepts: Data Structures Algorithms, OOPS, Cloud Computing,DevOps
Developer Tools: Git,GitHub, Databases (SQL),Cloud (AWS)

Experience

Data Management Intern   October 2024 – December 2024
Zimble One Private Limited   *Delhi, India*

- Orchestrated data management and processing within AWS environments during a 2-month intensive internship focused on Cloud and Data Management.
- Leveraged Amazon cloud services (S3, EC2) to deploy and manage scalable applications, acquiring hands-on experience in cloud infrastructure.
- Collaborated with a team to manage company data, ensuring accuracy, integrity, and accessibility for business operations.
- Gained hands-on experience in cloud-based data management using AWS services while working on real organizational data.

Projects

Sugarcane Yield ML Project | *Python, Pandas, NumPy, Streamlit*   ⭘ **GitHub**

- Optimized a Random Forest Regressor model achieving 85% accuracy in forecasting sugarcane yield.
- Analyzed and processed a dataset containing over 100 records with 7 features to identify key growth determinants.
- Engineered an interactive web application using Streamlit to present data-driven yield insights, enabling farmers and policymakers to make informed decisions.
- Applied machine learning concepts to real-world agricultural data, improving understanding of data preprocessing, feature importance, and model evaluation.

Mental HealthMate Website | *HTML, CSS, JavaScript, Python, Scikit-learn*   ⭘ **GitHub**

- Architected a full-stack, responsive mental health platform providing 20+ users access to verified mental health resources and expert consultations.
- Enhanced user engagement by 30% through designing and implementing essential front-end pages with an interactive chatbot and appointment scheduling system.
- Integrated real-time chatbot for FAQs and support, reducing response time for user queries by 30%.
- Implemented secure appointment scheduling and reminders, increasing session attendance rates by 20%.

PG Life Website | *HTML, CSS, JavaScript, Python, PHP, MySQL*   ⭘ **GitHub**

- Engineered a full-stack accommodation website, launching with a database containing over 20 PGs across 4 major cities.
- Established secure, role-based access control, enabling users to register, log in, and browse personalized listings.
- Developed 4+ customizable filters (city, rent price, etc.) that enhanced search precision and streamlined user experience.
- Implemented dynamic data fetching from the backend to display PG listings, strengthening database integration skills.

Achievements

- Completed the Ultimate AWS Certified Cloud Practitioner (CLF-C02) course on Udemy, building a strong understanding of AWS core services, security, and pricing models.
- Completed C++ with DSA certification, gaining hands-on experience in core data structures and algorithms.
- Achieved 86% in the final assessment for an 8-week online training on Web Development with AI from Internshala.
- Successfully completed Google's "The Bits and Bytes of Computer Networking" course on Coursera.

Languages

Hindi: Native
English: Professional Proficiency
Japanese: Beginner