Fahad Hussain Danish

LinkedIn: https://www.linkedin.com/in/itsdanish786/ Email: fahad.12325061@lpu.in
GitHub: https://github.com/itsdanish786/ Mobile: +91-6202965214

SKILLS

- **Languages**: C++, JavaScript, C, Python, Java, Kotlin
- **Frameworks**: HTML, CSS, Selenium, NumPy
- **Tools/Platforms**: MySQL, Android Studio, Anaconda
- **Soft Skills**: Problem-Solving, Team Player, Adaptability, Time Management, Leadership

INTERNSHIP

SkillCraft Technology Jul'25 – Aug'25

SDE Intern

- **About**: Worked on full-cycle software development following SDLC. Built CLI apps, GUI apps, and Web-Scraping solutions while contributing to application design, debugging, and deployment.
- Collaborated with senior developers to optimize code performance, improving application efficiency and reducing execution time across multiple modules.
- Gained hands-on experience in end-to-end feature development by building and refining software solutions using best coding practices.

Tech: Python, Java, C, .NET Framework, Git, MySQL

PROJECTS

- **Student Career Recommendation System** | GITHUB | LIVE Oct'25 – Dec'25
  - Engineered a full-stack unsupervised ML-driven career recommendation system that matches students to optimal career paths using **RIASEC** personality scores, skill profiles, and subject preferences.
  - Built an intuitive, responsive front-end featuring interactive **PCA (2D) and UMAP (3D)** embeddings, radar charts, and skill-gap analysis dashboards using Plotly.js for highly visual insights.
  - Enhanced clustering quality by implementing **KMeans++**, achieving a **0.7296 Silhouette Score** and **2.80 Inertia**, outperforming baseline random initialization across all evaluation metrics.

  Tech: Express, MongoDB, Python, Scikit-learn, CSS, React

- **Census Of Groundwater Structure** | GITHUB | LIVE Feb'25 – Apr'25
  - Developed an ML-based prediction system that analyzed **15,000+** groundwater structure records, improving the accuracy and longevity estimates by **~28%** compared to manual assessments.
  - Implemented end-to-end analytics pipelines that aggregated, cleaned, and modeled multi-source environmental and hydrological datasets, enabling the identification of high-risk structures with **87% precision**, which supported proactive maintenance planning.
  - Improved resource allocation by classifying structures into **3 priority tiers**, helping reduce maintenance overhead by an estimated **20–25%** through optimized scheduling and intervention planning.

  Tech: Python, Java, SQL, Pandas, NumPy, Scikit-learn, CSV Data Management

CERTIFICATES

- Language Principle & Finite Automata Theory by Infosys | CERTIFICATE Oct'25
- Social Networks NPTEL Swayam by IIT Madras | CERTIFICATE Sep'25
- C++ Programming: OOPs and DSA by CSE Pathshala | CERTIFICATE Aug'25
- Computer Communications by University of Colorado System | CERTIFICATE Jun'25

ACHIEVEMENTS

- **Earned Badge in Computational Theory on skillsoft** | BADGE Jan'24

  Prominent models of computation for machine learning and recognition of the essential principles.

EXTRA CURRICULAR ACTIVITIES

- **Acknowledged for submitting an innovative idea in Cloud DevFest by Google Developer Groups** Aug'25

  Recognized for contribution in solving real-world latest advancements in Ai and Cloud Technologies.

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
  Bachelor of Technology - Computer Science and Engineering; ***CGPA: 6.25*** *Aug'23 – Present*
- **Indian Public School** Madhubani, Bihar
  Intermediate; ***Percentage: 75%*** *Apr'20 – Mar'22*
- **Indian Public School** Madhubani, Bihar
  Matriculation; ***Percentage: 87%*** *Apr'18 – Mar'20*