

MUGUNTHAN N

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LinkedIn: <http://www.linkedin.com/in/mugunthann> | GitHub: <https://github.com/mugunthan17> | Website: <https://mugunthan17.github.io/portfolio-website/> |

SUMMARY

Software engineer with a strong analytical mindset and a deep understanding of software development principles. Skilled in designing and optimizing scalable systems while ensuring performance, reliability, and maintainability. Thrives in problem-solving, automation, and creating efficient solutions that enhance usability and bridge technology with real-world applications.

SKILLS

Programming & Development: Java, C, C++, Python, JavaScript, HTML, CSS (Tailwind & Bootstrap), React.js, Node.js, Express.js, API Development
Software & Systems: Data Structures and Algorithms, Object-Oriented Design, Unit and Integration Testing, Linux and Windows
Databases & Cloud: MongoDB, MySQL, AWS (Lambda, S3, EC2)
Tools & Frameworks: Postman, Git, GitHub, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
Design & UI/UX: Figma, Adobe CC Tools (Photoshop, Illustrator, XD), Canva

WORK EXPERIENCE

Fittlyf Fitness Solutions and Technologies Remote
UI/UX Design Intern – 3 Months May 2024 – Aug 2024

- Designed an A/B Testing Experimentation Platform UI, enhancing usability and user experience based on internal feedback.
- Developed Stratification features for improved accuracy in AA and AB testing, ensuring better test consistency.
- Created an Anomaly Detection Dashboard, enabling real-time alerts and improving issue tracking efficiency.

Liveasy Logistics Remote
UI/UX Design Intern – 3 Months Jun 2023 – Sep 2023

- Developed WebApp UIs for Fleet Management, optimizing workflow efficiency and simplifying task assignments.
- Enhanced Mobile App UI, streamlining user interactions and improving navigation based on usability testing.
- Spearheaded the Website Redesign, leading to a more engaging and user-friendly experience, positively impacting user retention.

PROJECTS

HAND GESTURE RECOGNITION USING UNDERCOMPLETE AUTOENCODER

Hand gesture recognition system using an undercomplete autoencoder to improve accuracy.

Tech Stack Used: Python, TensorFlow, Keras, NumPy, Matplotlib ([GitHub Link](#))

SKYVAULT – A CLOUD BASED SECURE FILE STORAGE SYSTEM

Scalable and secured cloud-based file storage and retrieval system optimized for efficiency and reliability.

Tech Stack Used: AWS (S3, IAM, EC2), PostgreSQL, Web Stack (HTML, CSS, JS – Express.js, Node.js) ([GitHub Link](#))

RESTAURANT (in Bangalore) ANALYSIS using K-MEANS ALGORITHM

Performed a comprehensive Data Analysis with Visualization of restaurants in Bangalore using the K-Means Clustering algorithm, providing insights into Restaurant Trends and Customer Preferences.

Tech Stack Used: Python (Pandas, Seaborn, Matplotlib, Numpy) ([GitHub Link](#))

SOFTWARE TESTING (AMAZON WEBSITE TESTING)

Automated test scripts for Amazon’s website ensuring smooth functionality and UI consistency.

Tech Stack Used: Selenium WebDriver, Java, TestNG ([GitHub Link](#))

EDUCATION

VIT - Vellore Institute of Technology, Vellore Vellore, Tamil Nadu
Integrated Master of Technology Jul 2021 - Jul 2026
Major in **Software Engineering** Cumulative GPA: **8.98*/10.0**

CERTIFICATIONS

- Machine Learning & Data Science** – VIT University
- Agile Job Simulation** – JPMorgan Chase & Co (Forage)
- User Experience Design** – Accenture (FutureLearn)
- Python Programming** – GUVI Geek Networks