

# MUHAMMED SAHAL P K

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## WORK EXPERIENCE

### Pro26

Manjeri, Kerala

*Jr. UI/UX Designer | Team Lead*

*May 2025 - Present*

- Accelerated team integration by assuming leadership role within three weeks, guiding a group of 3 junior designers to develop innovative UI/UX solutions that enhanced user engagement by 40%.
- Facilitated entrepreneurial mindset development through collaborative workshops, leading to a 30% improvement in creative problem-solving efficiency among team members and fostering future leadership potential.
- Continuously refined skills through hands-on involvement in real-world projects, contributing to a 15% improvement in usability scores and enhancing overall project delivery quality.

## PROJECT EXPERIENCE

### Academic Project

Perinthalmanna, Kerala

*Developer - NeuVitX: Automated Monitoring of Intravenous Glucose Infusion and Vital Signs*

- Developed a real-time monitoring system for glucose drip levels and patient vital signs using Raspberry Pi Zero, HX711 Load Cell amplifier, Load Cell sensor, MAX30102 sensor, Python, Flutter and Firebase.
- Integrated Firebase for data storage and synchronization with a mobile application.
- Designed to improve patient care by alerting healthcare providers to low drip levels and vital sign abnormalities.

### Academic Project

Perinthalmanna, Kerala

*Developer - Local Goods Price Prediction System*

- Built a machine learning-based system using Linear Regression to predict local goods prices.
- Analyzed historical data and developed an interactive front-end with HTML, CSS, and JavaScript.
- Enabled data-driven decision-making through accurate price forecasting.

## SKILLS & INTERESTS

**Skills:** Programming Languages - C, Python

Tools and Frameworks - Git/GitHub, Flutter, Overleaf (LaTeX), VS Code, HTML, CSS, JS

Languages - Malayalam (native), English (professional), Arabic (elementary), Hindi (elementary)

**Interests:** Software development, machine learning, programming, tackling real-world challenges, collaborating with dynamic teams, improving leadership qualities

## SUMMARY

Computer Science and Engineering graduate from MEA Engineering College under APJ Abdul Kalam Technological University (APJAKTU), committed to leveraging my technical expertise to drive innovative and efficient solutions. My academic and project experiences have instilled a strong foundation in problem-solving, with a particular interest in competitive programming and its application to real-world challenges. I thrive in collaborative environments that foster continuous learning, professional growth, and impactful teamwork.

## CERTIFICATIONS

- IEEEExtreme 16.0 Programming Competition - IEEEExtreme
- Introduction to UI/UX Designing using Figma Workshop - OFB

## EDUCATION

APJ Abdul Kalam Technological University (APJAKTU)

Perinthalmanna, Kerala

*B.Tech in Computer Science and Engineering*