

# MUHAMMED SURAIJ PC

Al Karama, Dubai, United Arab Emirates

📞 +971 547819422 📩 muhammedsuraij387@gmail.com 💻 linkedin.com/in/muhammed-suraij-pc

github.com/surajmuhammed 🌐 suraijpc.live

Passport No: AB182479

## EDUCATION

### Saintgits College Of Engineering

Bachelor of Science in Computer Science

Nov 2021 – Jul 2025

Kottayam, Kerala

- CGPA: 8.83 (First Class with Distinction, 3rd rank out of 142 students)
- Minor in Robotics and Automation Engineering

### Seethi Sahib Higher Secondary School

Higher Secondary - Biology Science

Jul 2019 – Jul 2021

Taliparamba, Kerala

- CGPA: 9.8

## EXPERIENCE

### iNPLASS InfoTech

Jan 2024 – Aug 2025

Software Developer

Dubai, United Arab Emirartes (Remote)

- Developed features for GUEST by iNPLASS, STAFF by iNPLASS, and HOP by iNPLASS, enhancing the guest communication, staff collaboration, and hotel management functionalities, respectively.
- Worked closely with backend developers to build and optimize backend services using Node.js and Firebase, ensuring smooth API performance.
- Collaborated with frontend teams to ensure seamless API integration, prioritizing clear communication and timely execution.
- Delivered full-stack features across multiple sections using React, Node.js, and Firebase, reinforcing agile development skills and cross-functional collaboration.

### HULT InfoTech

Dec 2024 – Present

Software Developer

Kottayam, Kerala (Remote, Self-Employed)

- Spearheaded full-stack development of web applications using MERN stack, reducing page load times and improving UI/UX performance across multiple client projects.
- Directed agile sprints and managed cross-functional teams of 8 members, resulting in 100% on-time delivery for multiple client projects with high client satisfaction.
- Estimated budgets and allocated resources for client platforms (communets.com, palamarathon.efpala.org), leading to successful launches within budget and scope.
- Acted as liaison between dev teams and stakeholders, streamlining requirement gathering and feedback cycles, which shortened development timelines.

## PROJECTS

### FaceFinder | React.js, Node.js, Firebase, MongoDB, Python

Apr 2025

- Built a law-enforcement-focused AI tool integrating facial recognition, super-resolution, sketch generation, and age simulation, improving suspect identification accuracy.
- Engineered responsive UI and full admin-user access system using Firebase Auth and React, resulting in a secure and scalable facial analysis platform.
- Curated and processed facial recognition datasets for model training using Python and OpenCV.

### FaceTrack | Python, React.js, FireStore Database

May 2024

- Developed "FaceTrack," a machine learning project that identifies individuals in an image by comparing them to a pre-trained dataset, outputting detailed reports for each recognized person.
- Handled all frontend-related activities for "FaceTrack," ensuring a user-friendly interface and smooth interaction with the machine learning model.

### DeEx3 DAO | Solidity, React.js, Tailwind CSS

December 2023

- A decentralized platform that facilitates scientists and researchers in publishing their papers, securing grants and funding from investors, and offers a dedicated space for peer-reviewed research.
- Completely removing the centralized elements from the scene, our platform will be a budding place for research and scientific findings.

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, HTML, CSS, JavaScript, SQL

**Tools & Libraries:** Git, GitHub, Bitbucket, Postman, Redux

**Frameworks:** React.js, Node.js, Express.js

**Databases:** MongoDB, Firebase

## RESEARCH AND PUBLICATIONS

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### FaceFinder: Advanced Facial Recognition and Enhancement for Security and Surveillance | IEEE

April 2025

- Published a research paper detailing the development and implementation of FaceFinder, focusing on its facial recognition and enhancement capabilities for security and surveillance applications.
- <https://ieeexplore.ieee.org/document/11042832/>

## LEADERSHIP / EXTRACURRICULAR

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### Assistant Project Manager

Jan 2024 – Mar 2024

Nakshatra 2024: Techno-Cultural Fest

Saintgits College Of Engineering

- Successfully served as the Assistant Project Manager for Nakshatra 2024, the flagship techno-cultural fest at Saintgits College of Engineering, demonstrating strong leadership and management skills.
- Oversaw various aspects of the event, coordinated with diverse teams, and ensured smooth execution, contributing significantly to the success of Nakshatra 2024 through effective team collaboration and dedication.

## CERTIFICATIONS

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- The Complete 2023 Web Development Bootcamp** - Udemy
- The Bits and Bytes of Computer Networking** - Google
- Agile Leadership: Introduction to Change** - University of Colorado System