



# ALI AHAMMAD

---


 +91 9895850894

 [mail@aliahammad.com](mailto:mail@aliahammad.com)

 254, 12-Muri Nagar, 691020, Kerala, India

 <https://github.com/li812>

 [www.aliahammad.com](http://www.aliahammad.com)

 [linkedin.com/in/ali-ahammad-li0812](https://linkedin.com/in/ali-ahammad-li0812)

---

## Professional Summary

Aspiring software developer with hands-on experience in web development using React.js, backend API design, and AI-powered solutions including Generative AI. Proven ability to integrate machine learning models into full-stack cloud applications for real-world use cases. Eager to contribute to the dynamic team at Ideasurge Solutions by building scalable, intelligent, and user-friendly web applications. Strong academic foundation with a passion for clean code, innovation, and continuous learning.

---

## Education

- **Master of Computer Applications (MCA)**

Sree Narayana Institute of Technology, University of Kerala

2023 – 2025

Pursuing a postgraduate degree with a focus on advanced software engineering, system architecture, AI, and cloud-based solutions. Engaged in impactful academic projects involving real-time environmental monitoring, IoT integration, and backend system design using modern tech stacks.

- **Bachelor of Science in Computer Science**

CHMM College for Advanced Studies, University of Kerala

2019 – 2022

Graduated with a strong foundation in programming, data structures, and algorithm design. Completed several academic and freelance projects involving web and mobile development, laying the groundwork for further specialization in AI, cloud, and full-stack engineering.

---

## Professional Experience

- **Intern Software Developer – AI, IoT & Django**

Serve Techno Research, Kollam, Kerala, India

2023 – 2025

- Developed full-stack applications using React.js (web) and React Native (mobile) with Django REST APIs.
- Integrated AI and Generative AI models into academic systems involving IoT devices (Arduino/ESP32).
- Built cloud-based pipelines for sensor data collection, model inference, and real-time visualization.
- Deployed ML models for prediction/classification and supported scalable backend integration.

- **Freelance Full Stack Web/ML/DL Developer**

2019 – Present

- Delivered 15+ academic and client projects focused on web development using React.js, Django, and Spring Boot.
- Built mobile apps with React Native and integrated AI/Generative AI features using TensorFlow and PyTorch.
- Specialized in backend architecture, API integration, and cloud deployment on AWS, GCP, and DigitalOcean.
- Collaborated with students, startups, and researchers to deliver scalable, intelligent, data-driven solutions.

- **Programming Language Trainer**

G-Tec Computer Education, Karicode, Kollam, Kerala, India

May 2021 – September 2022

- Conducted hands-on training sessions for students preparing for academic and professional exams.
- Simplified complex programming concepts and explained real-world project scenarios clearly.
- Created structured course materials and mentored students on best practices in coding.
- Recognized for strong technical communication and consistently high learner satisfaction.

---

## Projects

---

- **EcoZync** (MCA Major Project)

Designed and developed a polyglot IoT platform for environmental monitoring that integrates real-time sensor data with cloud-native infrastructure. The system utilizes Generative AI to generate actionable environmental insights and supports secure, role-based user access. Built with a multi-cloud backend using AWS and Google Cloud, the platform includes containerized microservices with Docker and Kubernetes and is globally accessible via Cloudflare Tunnel.

**Impact:** Delivered a scalable, multi-cloud environmental monitoring system aligned with UN Sustainable Development Goals (SDGs 3, 11, and 13), supporting real-time public health, sustainability, and climate action efforts.

**Tech Stack:** Arduino, React.js, React Native, Django, Spring Boot, AWS RDS & Cognito, Google Cloud AI, Docker, Grafana

- **LiSQL**

Developed an open-source Python package that simplifies data extraction and merging from multiple MySQL servers and databases. Designed for data scientists and backend developers needing seamless multi-database handling.

**Impact:** Enabled efficient multi-source data integration in academic and freelance projects.

**Tech Stack:** Python, MySQL, PyPI

- **3D Face Reconstructor**

Developed a system that generates a 3D human face model from a single 2D image using advanced facial detection and depth prediction algorithms.

**Impact:** Facilitated realistic 3D reconstruction for research in computer vision and digital identity.

**Tech Stack:** Python, MTCNN, DPT, Open3D

- **Pandemic Controlling System** (BSc CS Major Project)

Built a Django and Android-based platform to manage pandemic-related operations, enabling coordination among public users, healthcare providers, and authorities. Integrated a CNN-based test result classifier.

**Impact:** Supported structured communication and test kit result analysis in a multi-role ecosystem.

**Tech Stack:** Django, Java (Android), MySQL, PyTorch

---

## Certifications and Training

---

- **IBM Data Science** From IBM 2025
- **IBM AI Developer** From IBM 2025
- **Data Analysis with Python** From IBM 2025
- **Meta React Native** From Meta 2025
- **Google Cybersecurity** From Google 2024
- **Master in Data Science** From SMEClabs 2023

---

## Technical Skills

---

- **Programming Languages:** Python, Java, JavaScript, TypeScript, C, C++, R, Swift, Go, Scala
- **Databases:** MySQL, PostgreSQL, DynamoDB, MongoDB, FireStore, Appwrite DB, SQLite
- **Machine Learning and Deep Learning:** Scikit-Learn, TensorFlow, PyTorch
- **Computer Vision:** OpenCV, Scikit-Image, YOLO, BLIP
- **Data Analytics & Visualization:** Pandas, Matplotlib, Seaborn, Power BI, Tableau, Grafana
- **Big Data Technologies:** Apache Hadoop, Apache Spark
- **DevOps & Deployment:** Docker, Kubernetes, Git, Linux, Cloudflare Tunnel, Nginx
- **Frontend Development:** React.js, Next.js, React Native, Bootstrap, Tailwind
- **Backend Development:** Django, Flask, Spring Boot, Express.js
- **Cloud & BaaS Platforms:** Firebase, Appwrite, AWS, DigitalOcean

---

## Soft Skills

---

- **Problem-Solving Skill**
- **Communication Skill**
- **Teaching Skills**
- **Continuous Learning**