

Sanial Das

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EDUCATION

2019 - 2023 B.Tech in Computer Science Engineering at **IIIT Guwahati** (GPA: 7.86/10.0)

WORK EXPERIENCE

Senior Software Engineer (OneLot) Jun 2025 - Present

- Led architecture design and implementation of scalable microservices for loan management platform, handling 1000+ concurrent users with 99.9% uptime
- Mentored junior developers and drove technical decisions for full-stack development using **Next.js**, **TypeScript**, and **PostgreSQL**
- Optimized database performance and implemented advanced caching strategies, reducing query response time by **50%** and improving overall system efficiency

Software Engineer (OneLot) Jun 2024 - May 2025

- Built full-stack dealership onboarding platform from scratch using **Next.js**, **TypeScript**, **PostgreSQL**, and **Docker**, serving 500+ dealerships nationwide
- Developed RESTful APIs and authentication systems, reducing onboarding time by **60%** and enabling seamless cross-team collaboration
- Implemented automated KYC workflows and operational processes, improving data processing efficiency by **45%** and accelerating loan approvals by **35%**
- Designed database schemas and data models for optimal query performance, ensuring robust data integrity across the platform

Software Engineer (Media.net - Directi) Jul 2023 - May 2024

- Developed enterprise-grade applications using **Java**, **Spring Boot**, and distributed systems architecture, processing 10M+ daily transactions with Analytics Backend team
- Optimized data pipeline performance using **Apache Druid**, **Kafka**, **Redis**, and **Apache Spark** for real-time analytics, reducing data processing latency by **50%**
- Enhanced time-series forecasting models through EDA and hyperparameter tuning of **Machine Learning** algorithms, achieving **30-40%** improvement in prediction accuracy

Software Engineer Intern (Media.net - Directi) Jan 2023 - Jun 2023

- Built scalable forecast API using **Python FastAPI** for time-series prediction, improving model performance by **20-30%** through advanced data cleaning and outlier detection
- Developed custom **LLM** and **Generative AI** solutions using **TensorFlow**, **PyTorch**, contributing to **40%** increase in data analysis efficiency

TECHNICAL SKILLS

Programming Languages	Python, Java, C++, TypeScript, JavaScript, SQL, Go
Backend Technologies	Spring Boot, Node.js, FastAPI, Next.js, PostgreSQL, MongoDB, Redis
Cloud & DevOps	Docker, Kubernetes, Jenkins, ArgoCD, Apache Kafka, Apache Spark
Machine Learning	TensorFlow, PyTorch, Scikit-learn, Data Analytics, Time-Series Forecasting
Tools & Frameworks	Git, Apache Druid, RESTful APIs, Microservices Architecture
Problem Solving	1000+ problems solved on LeetCode and Codeforces, Strong algorithmic skills