

# Soumya Darshan

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## EDUCATION

### Vellore Institute of Technology (VIT)

Vellore, India

*B.Tech in Information Technology; CGPA: 9.21*

*2021 – Present*

- Consistently maintained a CGPA above 9.0, positioning within the top 10% of the cohort.
- Completed academic projects on AI models and cloud computing, meeting all deadlines with high evaluations.
- Secured top 10% placements in inter-college coding contests, enhancing problem-solving skills.
- Participated in hackathons, contributing to projects that were shortlisted for innovative solutions.

### St. Xavier High School Khandagiri

Odisha, India

*AISSCE (12th Grade); Percentage: 92.6%*

*2020*

### DAV Public School SECL Korba

Chhattisgarh, India

*AISSCE (10th Grade); Percentage: 95.6%*

*2018*

## EXPERIENCE

### Intern - GOTO Technology Department

May 2024 – July 2024, Jan 2025 – Present

*UBS Business Solutions (India) Pvt. Ltd.*

*Pune, India*

- Developed and deployed 5+ RESTful APIs using Spring Boot, streamlining internal data access processes by 25%.
- Optimized Kafka event streaming, improving system data throughput by 30%.
- Spearheaded a cross-team effort to automate service integration, reducing deployment time by 15%.
- Conducted performance analysis and reduced latency by 12% in key microservices.

## PROJECTS

### PICO | C++, Compiler Design

GitHub: [github.com/Aymuos22/Pico](https://github.com/Aymuos22/Pico)

- Designed a lightweight programming language, decreasing prototype development time by 15%.
- Implemented syntax parsing and tokenization modules, cutting memory usage by 10%.
- Achieved 10% faster compilation speed than similar compilers in academic benchmarks.

### Code Quality Reviewer | Flask, Machine Learning

GitHub: [github.com/Aymuos22/code\\_quality\\_reviewer](https://github.com/Aymuos22/code_quality_reviewer)

- Designed a machine learning-based code quality analyzer to predict the quality of code using 10+ input variables
- Trained and compared 5 machine learning models, achieving an accuracy of 92% and an F1-score of 0.89 with the best-performing model with 10000 code samples.
- Built a Flask-based web application with a response time of under 500ms.

### YouTube Clone | Flutter, Firebase

GitHub: [github.com/Aymuos22/Youtube\\_clone](https://github.com/Aymuos22/Youtube_clone)

- Built a video-sharing platform supporting 50+ concurrent users, maintaining 98% uptime.
- Improved video load times by 15% through optimized Firebase Storage configurations.
- Integrated real-time streaming features, increasing user engagement by 20%.

## TECHNICAL SKILLS

**Languages:** HTML, CSS, JavaScript, PHP, Java, Python, C, C++, Dart, Kotlin, R, Matlab

**Frameworks:** Spring Boot, Flask, Django, React.js, Express.js, Bootstrap, Flutter

**Databases/Cloud:** MySQL, PostgreSQL, MongoDB, Firebase, AWS, Azure, Kafka, SQLite, Hive

**Microcontroller Platforms:** Arduino, NodeMCU (ESP8266/ESP32)

**Developer Tools:** Git, GitHub, VS Code, IntelliJ IDEA, JUnit, pytest

## CERTIFICATIONS

AWS Certified Solutions Architect – Associate

Artificial Intelligence and Machine Learning (Powered by Google Developers)

Complete Flutter App Development Bootcamp (With Dart)

## PUBLICATIONS

**LaneScanNET:** Obstacle-lane state detection for autonomous driving systems (Contributor, 2021–2023)