

# Arjun

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## PROFESSIONAL SUMMARY

Software engineering student with strong development fundamentals in data structures, algorithms, and object-oriented design. Proven ability to work effectively in teams with clear communication and collaboration skills. Self-motivated dual-degree candidate with extensive hands-on experience in full-stack development, system design, and cloud-native solutions. Skilled in agile SDLC, code review, version control, and implementing diagnostics, monitoring, and performance metrics.

## EDUCATION

### Indian Institute of Technology Madras

*Bachelor of Science (BS) Degree in Data Science and Applications*

CGPA - 9.17

May 2023 – May 2027

### Saveetha Engineering College

*Bachelor of Technology, Artificial Intelligence and Machine Learning*

CGPA - 8.85

Sep 2023 – May 2027

## PROJECTS

### AcademiaSync | *Node.js, React, Docker, Terraform, GCP, AWS, REST API*

- Built cloud-native learning platform using microservices architecture with 99.9% uptime and CI/CD pipelines
- Deployed scalable backend services with Docker containers across Google Cloud Run and AWS ECS platforms
- Implemented OAuth authentication, role-based dashboards with real-time analytics using React and Chart.js

### Smart Tasker | *Next.js 15, TypeScript, Firebase, Google APIs*

- Developed intelligent task management app with AI-powered prioritization and real-time Firestore synchronization
- Integrated Google Calendar OAuth 2.0 with bidirectional sync and natural language date parsing algorithms
- Achieved 95% faster task creation with smart date detection and automated browser notification system

### Data Analyst | *Python, Playwright, DuckDB, , LangGraph, Multi-LLM APIs*

- Architected multi-source data ingestion system with OCR and web scraping capabilities using orchestrator
- Implemented intelligent data processing with automatic relationship detection and SQL query generation
- Built error recovery mechanisms and concurrent processing achieving 80% faster analysis workflow automation

## EXPERIENCE

### Software Engineer Intern

Sep 2025 – Oct 2025

*Presidio*

- Implemented microservices using Node.js and Express with containerized deployment using Docker and Terraform
- Built responsive front-end with React, Tailwind CSS ensuring cross-device compatibility and mobile optimization
- Delivered features on schedule with diagnostics instrumentation for system observability and health tracking
- Reduced errors by 30% through unit testing and monitored using AWS CloudWatch and GCP Cloud Monitoring

### Event Coordinator

Oct 2024 – Dec 2025

*Google Cloud Platform, IIT Madras*

- Coordinated technical bootcamp for 500+ participants earning 18 AI/ML and cloud development certifications
- Facilitated hands-on workshops building GenAI applications using Vertex AI, Gemini, and Cloud APIs
- Managed project delivery using cloud-native tools including Dataplex, Looker, and API Gateway for data analytics
- Achieved 95% completion rate and top 5% national ranking through effective project management and mentoring

## TECHNICAL SKILLS

**Languages:** Python, Java, C, JavaScript, TypeScript, SQL

**Frameworks:** Node.js, Express, React, Next.js, Flask, FastAPI, Vue.js, Bootstrap

**Databases:** PostgreSQL, MongoDB, SQLite, Firebase, DuckDB

**Developer Tools:** Git, Github Actions, Docker, Terraform, AWS, Google Cloud Platform, VS Code, Eclipse

**Libraries:** pandas, NumPy, Playwright, Chart.js, Tailwind CSS, OAuth 2.0, Firestore

**Other Skills:** Microservices, CI/CD, System Design, REST API, Cloud Deployment, Testing, Debugging, Logging

**Certificates:** AWS Cloud Practitioner Essentials, Google Cloud GenAI Bootcamp, Database Management Essentials