

# 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

<b>Indian Institute of Technology Madras</b> <i>Bachelor of Science (BS) Degree in Data Science and Applications</i>	CGPA - 9.17
<b>Saveetha Engineering College</b> <i>Bachelor of Technology, Artificial Intelligence and Machine Learning</i>	CGPA - 8.85

## PROJECTS

<b>AcademiaSync</b>   <i>Node.js, React, Docker, Terraform, GCP, AWS, REST API</i>	
• 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	
<b>Smart Tasker</b>   <i>Next.js 15, TypeScript, Firebase, Google APIs</i>	
• 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	
<b>Data Analyst</b>   <i>Python, Playwright, DuckDB, LangGraph, Multi-LLM APIs</i>	
• 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

<b>Software Engineer Intern</b> <i>Presidio</i>	Sep 2025 – Oct 2025
• 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	
<b>Event Coordinator</b> <i>Google Cloud Platform, IIT Madras</i>	Oct 2024 – Dec 2025
• 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

<b>Languages:</b> Python, Java, C, JavaScript, TypeScript, SQL
<b>Frameworks:</b> Node.js, Express, React, Next.js, Flask, FastAPI, Vue.js, Bootstrap
<b>Databases:</b> PostgreSQL, MongoDB, SQLite, Firebase, DuckDB
<b>Developer Tools:</b> Git, Github Actions, Docker, Terraform, AWS, Google Cloud Platform, VS Code, Eclipse
<b>Libraries:</b> pandas, NumPy, Playwright, Chart.js, Tailwind CSS, OAuth 2.0, Firestore
<b>Other Skills:</b> Microservices, CI/CD, System Design, REST API, Cloud Deployment, Testing, Debugging, Logging
<b>Certificates:</b> AWS Cloud Practitioner Essentials, Google Cloud GenAI Bootcamp, Database Management Essentials