

# Ganapathi Raman Deivanayagam

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## EXPERIENCE

### Rural Studies Institute, GCSU (Sponsored by Georgia Tech PIN Program)

Milledgeville, GA

*Front-End Developer & Data Visualization Intern*

*May 2025 – Aug 2025*

- Designed and deployed interactive, data-driven maps for the Black Belt Regional Database using **JavaScript, Leaflet.js, and WordPress**.
- Automated data pipelines converting spreadsheets to **GeoJSON**, reducing integration time by **30%**.
- Collaborated with researchers and policymakers to launch a public-facing platform.
- Presented solutions at the *Emerging Innovators Celebration*, enhancing project visibility.

### Meghana IT Services LLP

Chennai, India

*Full Stack Engineer Intern*

*May 2023 – Jul 2023*

- Led a 3-member team to streamline workflows, cutting project turnaround time by **20%**.
- Developed full-stack features using **React.js, Node.js, and MySQL** in an agile environment.
- Coordinated client deliverables and budgets, ensuring **100% on-time completion**.

## PROJECTS

### Enterprise Management System (AI-Powered)

- Built an AI-driven platform improving efficiency by **30%** and scalability by **25%**.
- Integrated **AWS services** and **OpenAI APIs** for intelligent decision support.

### Employee Management & Reporting (EMR)

- Developed a workforce management web app that reduced HR workload by **40%**.
- Integrated reporting/analytics features that improved efficiency by **15%**.

### Movie Ticket Booking System

- Created a ticket booking platform with **real-time seat selection, booking, and payments**.
- Designed a secure and user-friendly interface with authentication and payment integration.

## TECHNICAL SKILLS

- **Languages:** Python, JavaScript/TypeScript, Java, SQL, HTML/CSS
- **Frameworks:** React.js, Node.js, Express.js, Next.js, Tailwind CSS
- **Databases:** MongoDB, PostgreSQL, MySQL, Redis
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Docker, Kubernetes, Nginx, GCP, Azure, Linux
- **API Services:** REST APIs, gRPC, GraphQL, Swagger/OpenAPI, Google Maps API
- **Tools & Libraries:** Git, TensorFlow, PyTorch, NumPy, Postman
- **Other:** Agile/Scrum, GitHub CI/CD, System Design, UML, Trello, Data Cleaning, Pandas

## CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Postman API Fundamentals – Student Expert

## EDUCATION

### The University of Georgia

Athens, GA

*Master of Science in Computer Science (Expected May 2026)*

- Coursework: Software Engineering, Database Management, Algorithms, Computer Networks, Data Science, Advanced Representation Learning

### Sathyabama Institute of Science and Technology

Chennai, India

*Bachelor of Engineering in Computer Science (Jun 2024)*