Hemanth Reddy Theegala

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EDUCATION

New Jersey Institute of Technology, Newark, NJ — Sep. 2023 – May 2025
Master of Science - Computer Science — *CGPA: 3.95*

MVSR Engineering College, Hyderabad, India — Aug. 2019 – Apr. 2023
Bachelor of Engineering - Computer Science — *CGPA: 3.85*

EXPERIENCE

Full Stack Developer — June 2025 – July 2025
Aadhya Signature Events (Freelance) — *Boston, MA*
- Designed a decor rental platform with React and Tailwind CSS for responsive design, achieving 2× faster bookings
- Used Zustand for state management, JWT authentication for secure sessions, and integrated Stripe for payments
- Built RESTful APIs with Node.js, Express, and MongoDB, and an admin dashboard with full CRUD functionality

Full Stack Developer — Jan. 2025 – May 2025
FundNJ (Capstone Project) — *Newark, NJ*
- Collaborated in an agile environment with a cross-functional team to build an AI-driven discussion platform using Node.js, Express, and Redis, integrating Canvas LMS data and supporting 500+ concurrent sessions
- Implemented responsive React components and a PostgreSQL schema with relationships and optimized indexing
- Integrated Google Gemini AI for real-time content categorization across discussions, supporting 1,000+ users
- Performed unit and validation testing with Jest for backend APIs, maintaining 90% coverage of core endpoints

Teaching Assistant — Oct. 2023 – Apr. 2025
New Jersey Institute of Technology — *Newark, NJ*
- Led Data Structures and Algorithms labs for 40+ students, mentoring in coding best practices and problem-solving
- Created Python visualizations to simplify algorithms, boosting student engagement and coding accuracy by 50%

Software Engineer Intern — Sep. 2022 – Dec. 2022
Suntek Corp Solutions Pvt Ltd. — *Hyderabad, India*
- Built an automated assessment tool using Spring Boot and React, reducing grading time by 40% for 200+ students
- Designed RESTful backend services with MongoDB to handle user data and support secure API endpoints

PROJECTS

PathFinder | Website | Source Code — *Node.js, Express.js, AWS*
- Developed a responsive Learning Management System with a Next.js, TypeScript, and Tailwind CSS frontend and a Node.js, Express backend deployed on AWS infrastructure, supporting secure operations for 1,000+ users
- Containerized the application using Docker for streamlined deployment, integrating AWS Lambda, DynamoDB, and API Gateway for a serverless architecture, and utilized AWS S3 for secure storage and Stripe for billing

Project360X | Website | Source Code — *Next.js, PostgreSQL, AWS*
- Architected a Project Management Dashboard with Next.js, Tailwind CSS, and MUI Data Grid for advanced data views, using Redux Toolkit, RTK Query, and React DnD for state, data fetching, and drag-and-drop UX
- Deployed backend services with Node.js, Express, and PostgreSQL, using AWS Cognito for user authentication, Lambda for serverless logic, RDS for storage, API Gateway for routing, and S3 for static asset hosting

Resume-Pilot | Website | Source Code — *TypeScript, Tailwind CSS, ChatGPT API*
- Created an AI-powered SaaS platform utilizing Next.js, integrating ChatGPT API for intelligent resume auto-fill, dynamic multi-step forms with React Hook Form, driving a 20% enhancement in user engagement
- Constructed a robust backend with PostgreSQL and Prisma ORM, integrating Stripe Checkout for subscriptions

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML, CSS, R
Frameworks: React.js, Node.js, Express, Spring Boot, Next.js, Tailwind CSS, JUnit, Material-UI
Developer Tools: AWS, GCP, Docker, Kubernetes, PostgreSQL, MongoDB, NoSQL, REST, Git, GraphQL, CI/CD