DIVYA VIPPARLA

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EDUCATION

Pace University, New York
Master of Science (MS) in Computer Science | **GPA:** 3.93 **Expected May 2025**
Panimalar Engineering College, India
Bachelor of Engineering (BE) in Electronics and Communication Engineering | **GPA:** 8.88/10 **Apr 2021**

SKILLS & CERTIFICATIONS

Programming Languages: JavaScript (ES6+), Python, C#, SQL, Java
Frontend Development: React.js, React Native, Angular, jQuery, HTML/CSS
Backend Development: Node.js, .NET Core, .NET Framework
Cloud & DevOps: AWS (EC2, DynamoDB), Azure App Services, Firebase, Concourse CI, ELK Stack
Databases: MongoDB, Cloud Firestore, Oracle, MySQL, DynamoDB, Entity Framework
AI/ML Tools: Gemini AI, Pandas, NumPy, Matplotlib (for data analysis/visualization)
Other Tools: Git, Toad, SQL Server Management Studio
Operating Systems: Linux, Windows Server, macOS
Coursework: Algorithms and Computing Theory, Database Management Systems, Internet Computing, Artificial Intelligence, Mobile Web Content Development, Full Stack Enterprise Development
Certifications: Power Platform Fundamentals (Microsoft), Azure Fundamentals (Microsoft), Security, Compliance, and Identity Fundamentals (Microsoft)

EXPERIENCE

Full Stack Development Intern, Glo AI Inc., New York **Dec 2024 - Mar 2025**

- Worked in an Agile team of 4 developers and built a full-stack application using Node.js (Backend), React Native (Frontend), Firebase Authentication, and MongoDB, delivering a seamless cross-platform user experience.
- Engineered an AI-powered recommendation engine (using Gemini AI) to analyze social media trends and suggest personalized outfits.
- Designed RESTful APIs to fetch and process user data and partner store feeds for dynamic content.
- Streamlined authentication and data sync using Firebase, reducing login errors by 30%.

Custom Software Engineering Analyst, Accenture, Bengaluru **Jan - Aug 2023**

- Administered a diverse portfolio of 12 R&D applications deployed across Windows Server 2019, Azure App Services, and AWS EC2, implementing proactive server monitoring solutions to track system health metrics, resource utilization, and application performance, consistently maintaining 99.9% uptime through timely issue detection and resolution.
- Performed comprehensive database administration using Toad for Oracle, SQL Server Management Studio, and Oracle Enterprise Manager, optimizing query performance, designing stored procedures, and implementing robust backup and recovery processes.
- Developed responsive and interactive user interfaces with JavaScript, implementing the MVVM pattern with Knockout.js for dynamic data binding, and incorporating jQuery for DOM manipulation and AJAX for asynchronous data retrieval.
- Engineered backend solutions using .NET Framework and .NET Core, implementing dependency injection patterns, RESTful API endpoints, and efficient data access layers with Entity Framework for robust object-relational mapping.
- Resolved 2-3 critical user support tickets weekly, diagnosing and fixing UI rendering issues, implementing automated SSL certificate renewal processes, and troubleshooting complex application errors for clinical research.
- Maintained Linux-based clinical data application, implementing shell scripts for automated maintenance tasks, optimizing complex calculation algorithms, and ensuring data integrity through rigorous validation processes.
- Ensured regulatory compliance for clinical research applications, implementing audit trails, electronic signatures, and data encryption in accordance with FDA.

Application Development Associate, Accenture, Chennai **Aug 2021 - Dec 2022**

- Developed a full-stack web application using .NET Core for backend services and Angular for the frontend, deployed on AWS EC2 instances with auto-scaling configurations for optimal performance and resource utilization.
- Implemented RESTful APIs with C# and Entity Framework Core, incorporating dependency injection, middleware pipelines, and JWT authentication to secure endpoints and manage user authorization.
- Created a customer support portal featuring lazy-loaded modules, reactive forms with custom validators, and a real-time chat functionality, improving client satisfaction scores by 32%.
- Engineered data persistence layer using Amazon DynamoDB with single-table design patterns, implementing efficient query operations and GSIs (Global Secondary Indexes) for complex data retrieval scenarios.
- Optimized frontend performance through strategically implemented cookies, browser cache management, lazy loading, reducing page load times by 45% and Time to Interactive by 38%.
- Orchestrated continuous deployment pipelines using Concourse CI, implementing automated build, test, and deployment workflows with pipeline visualization for improved development team collaboration.
- Implemented comprehensive logging architecture with ELK Stack, leveraging Kibana dashboards for real-time visualization of application metrics, error tracking, and user behavior analysis to quickly identify and resolve production issues.

PROJECTS

Election Automation Analysis (Python): Developed a Python project for election data analysis, using Pandas and NumPy to calculate total votes, county-wise turnout, identify the county with the highest turnout, and analyze candidate performance, with data visualization using Matplotlib.

Donation Project (React Native, JavaScript, Cloud Firestore): Developed a donation app using React Native with Firebase for authentication and database management, allowing users to add items for donation, choose pickup or drop-off options, and view nearby donation events via Google Maps API, with the admin team handling pickups and event updates.