Manthan Mohile

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EDUCATION

DePaul University, Illinois, US   **Expected May 2025**
Master of Science in Computer Science   GPA:3.3
Relevant Coursework: Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Algorithms & Tools, Software Testing, Agile, DevOps, BigData.

Mumbai University, Mumbai, India   **May 2022**
Bachelor of Engineering in Electronics and Telecommunication Engineering   GPA: 3.6
Relevant Coursework: Database Management Systems, MATLAB, Embedded System Distributed Systems, Object Oriented Programming.

TECHNICAL SKILLS / CERTIFICATIONS

Programming Language/ Databases: Python, Java, JavaScript, C, C++, HTML, CSS, SASS, TypeScript, JSON, PHP, MySQL, PostgreSQL, MongoDB, Oracle SQL, S3, DynamoDB.
Backend Tools and Technologies: Spring Boot, Node.js, Express.js, Ribbon Workbench, .NET Framework, .NET, Django.
Frontend Frameworks and Libraries: React, Bootstrap, Material-UI, jQuery, PIP, PIP3, Bootstrap, VUE, Angular.
Cloud and Virtualization: Docker, Amazon web Services AWS, Azure Virtual Machines, EC2 Virtual Machine.
Software and Development IDE: Visual Studio Code, Eclipse, MATLAB, Git Version Control, SVN, Figma, Adobe XD, Axure RP.
Operating System: AWS (Amazon Web Services), Azure, Windows (8/10/11), Linux, Mac OS X, WordPress.
Certifications: AWS Certified Developer – Associate (Cloud Computing), Generative AI, Microsoft Azure, Introduction of Data Science.

PROFESSIONAL EXPERIENCE

Summary: IT professional with 1.5+ years of experience in server engineering, software development, and cloud infrastructure management. Skilled in full-stack development, DevOps, and automation, with expertise in multiple languages. Successfully contributed to projects that improved system efficiency and user satisfaction. Currently pursuing a Master's in Computer Science, combining technical skills with a passion for solving complex challenges.

Associate Server Engineer | CMS IT Services, Mumbai, India   **April 2018 – June 2019**
Cloud Computing, Team Collaboration, Networking Fundamentals, Server Administration, Scripting and Automation
- Managed server installations, upgrades, and configurations, ensuring 99% system uptime and improved operational reliability.
- Resolved 95% of server-related support tickets within SLA, enhancing infrastructure performance and end-user satisfaction.
- Optimized server resource allocation, reducing IT operational expenses by 15% through efficient hardware and software management.
- Implemented an IT asset tracking system for servers and peripherals, reducing asset loss by 30% and enhancing accountability.
- Collaborated across multidisciplinary teams to streamline server deployment projects, meeting tight deadlines and business requirements.

PLC Software Engineer | Bhavin Electronics | Gujarat, India   **September 2017 – March 2018**
Scripting, Programming, Debugging, Communication Protocols, DATA Analysis.
- Led a quality improvement initiative that decreased product defects by 15%, enhancing customer satisfaction and increasing retention rates by 25%.
- Automated testing processes, reducing testing time by 20% and improving the accuracy and reliability of test results.
- Trained junior engineers, enhancing their understanding of client requirements and technical skills, which increased team productivity by 15%.
- Collaborated with cross-functional teams to optimize PLC programming and ensure seamless integration with client systems, meeting project deadlines and specifications.

PROJECTS

PDFbot Application   **May 2024**
Technologies: Pinecone DB, Terraform, Git, GitHub Actions, Streamlit, Docker, Python, Azure CI/CD, DevOps, Linux, Selenium, Firebase.
- Automated infrastructure provisioning using Terraform for Pinecone resources and Azure server setup, integrating custom LLM models, and created GitHub Actions workflows for CI/CD, automated integration testing, semantic release, and Docker image deployment.
- Managed web app infrastructure with Streamlit and Python, utilizing Docker and Azure for seamless high-availability deployments via GitHub Actions, and ensured continuous testing and reliability with Selenium and Firebase while maintaining secure connectivity through a Bastion Host.

Car Rental Web Application   **November 2024**
Technologies: Spring Boot, MySQL, Angular, Azure, Git, GitHub Actions
- Developed a full-stack Car Rental application with Angular for the front-end, providing a responsive UI for browsing cars and managing rentals, and Spring Boot with Lombok for the back end, creating RESTful API for car availability, rental data, and user management, integrated with MySQL.
- Utilized Azure for secure, scalable cloud deployment, and incorporated Git and GitHub Actions for version control, automating CI/CD pipelines and ensuring efficient, reliable updates across the entire application.