

# Manthan Mohile

Chicago, IL | +1 (872)-275-6615 | [mmohile@depaul.edu](mailto:mmohile@depaul.edu) | [LinkedIn-ManthanMohile](#) | [Github-Manthan2297](#) | [Portfolio](#)

## 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, Object Oriented Programming - Enterprise.

### Mumbai University, Mumbai, India

May 2022

Bachelor of Engineering in Electronics and Telecommunication Engineering

GPA: 3.6

**Relevant Coursework:** Database Management Systems, MATLAB, Embedded Systems, Distributed Systems, Object Oriented Programming.

## TECHNICAL SKILLS / CERTIFICATIONS

**Programming Language:** Python, Java, JavaScript, C, C++, HTML, CSS, SASS, TypeScript, JSON, PHP,

**SQL / NoSQL:** MongoDB, MySQL, PostgreSQL, SQLite, Amazon S3, Amazon DynamoDB, SQL server.

**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.

**CI/CD and Cloud Solution:** Docker, Amazon web Services AWS, Kubernetes, Jenkins, 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 2.6+ 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 Software Engineer | CMS Information Technology Services, Mumbai, India Sept 2017 – Aug 2019

#### Software Development, Agile Methodologies, Full-Stack Development, API Integration, Debugging & Optimization

- Developed and maintained web applications, improving system performance and user experience by implementing optimized code structures.
- Collaborated with cross-functional teams to design and integrate RESTful APIs, ensuring seamless communication between front-end and back-end services.
- Debugged and resolved application issues, reducing system downtime by 40% through efficient troubleshooting and performance tuning.
- Assisted in database design and query optimization, enhancing data retrieval efficiency and reducing response times by 20%.
- Contributed to Agile development cycles, participating in daily stand-ups, sprint planning, and code reviews to ensure timely project delivery.

### PLC Software Engineer | Bhavin Electronics | Gujarat, India

June 2021 – Dec 2021

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%.
- 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.

### Amazon-Clone Web-Application

September 2024

- Developed a full-stack e-commerce web app using JavaScript, React.js, Node.js, Firebase, and Axios, implementing user authentication, real-time product updates, and secure checkout.
- Integrated RESTful APIs for dynamic product listings, cart operations, and order processing, ensuring a seamless user experience with a responsive UI.