

PROFILE SUMMARY

Highly skilled Software Developer with expertise in **Java, Python, C++, AWS, and MongoDB**. Specializing in building scalable, cloud-based applications using **AWS EC2, S3, Lambda, and RDS**, along with MongoDB for high-performance, flexible NoSQL database solutions. Adept at leveraging **AWS Auto Scaling, Docker, and Kubernetes** for cloud infrastructure management, and Python and Java for backend development. Experienced in enhancing system efficiency and user experience by applying data-driven insights, predictive analytics, and real-time data management. Proficient in Git for version control and Jira for project management. Passionate about creating impactful, user-centric solutions while solving complex technical challenges.

TECHNICAL SKILLS

Programming Languages : Java , Python,C++
Cloud Technologies : AWS : EC2 ,S3, Lambda, Autoscaling and RDS.
Database Management : MONGODB(NOSQL), SQL .
Web Development : HTML, CSS , JAVA SCRIPT.
Version Control and Collaborations Tools : Git, GitHub, JIRA
Development Tools : Visual Studio Code , INTELLIJ IDEA, PyCharm.
Soft Skills : Communication , Analytical Troubleshooting , Team collaboration, Leadership.

PROFESSIONAL EXPERIENCE

Duration : Aug 2024

Zhapix Technologies Private Limited | August 2024 | Full Stack Development Intern

- Integrated Contact Picker API with React and Material UI for an intuitive, user-friendly interface.
- Utilized open-source libraries to enhance functionality and optimize performance.
- Developed and tested components using Jest for unit testing and Storybook for visual documentation and component development.

PROJECT 1 : AI-Powered Car Parking System

Developed an AI-based parking management system using OpenCV and Python for real-time image processing, enabling automated parking spot detection and optimization.

Key Technologies & Libraries:

- Utilized MongoDB for dynamic data storage and real-time parking updates.
- Deployed on AWS EC2 for scalable hosting and AWS S3 for secure storage.
- Applied TensorFlow for predictive analytics, improving space utilization by 20%.
- Built a dynamic JavaScript UI, reducing search time by 30% and enhancing user satisfaction.
- Integrated Python with OpenCV for real-time computer vision, achieving 90%+ accuracy in space detection.

PROJECT 2 : Library Management System

Developed a Library Management System in Java to automate book, patron, and transaction management.

Key Features include:

- Managed book inventory, including adding, updating, and searching books.
- Implemented patron registration and tracking of borrowed books.
- Streamlined transactions, including checkout, return, and fine calculation.
- Integrated JDBC with MySQL for secure data storage and retrieval.
- Designed a console-based UI for easy interaction and exception handling for data integrity.

EDUCATION CREDENTIALS :

Bachelor of Technology (B.Tech) in Information Technology

MNM Jain Engineering College | Chennai, India | Nov 2021 – June 2025
CGPA: 7.86

Higher Secondary Education (Maths - Bio)

Mount Carmel Matric Hr Sec School | Kallakurichi, India | June 2020 – April 2021
Percentage: 75.5%

Secondary Education

Bharathi Matric Hr Sec School | Kallakurichi, India | June 2018 – April 2019
Percentage: 89%

CERTIFICATIONS :

2-month Intern program at Octa Net Services Ltd (Online) in the domain of Java Development.
3-month Intern program at Slash Mark Ltd (Online) in the domain of Java Development.