KADALI HARSHAVARDHAN

+91 730-666-6464 | kadali.hrv@gmail.com | LinkedIn | Github | Portfolio | Leetcode

Experience

Associate Software Engineer - Trainee   **Mar 2025 – Jun 2025**
Mphasis Limited   *Pune, IN*

- Completed a 3-month backend-oriented pre-training covering Python (scripting & DSA), Unix Shell scripting, MS SQL Server, MongoDB, and Azure Cloud Fundamentals, building strong foundations in backend and cloud deployment.
- Developed a distributed Hospital Management System under mentor supervision using Python, SQL, and Azure App Services, improving data retrieval speed by 40% across modules.
- Automated build and deployment scripts using Shell and Azure CLI, reducing manual release effort by 30% and ensuring consistent deployment cycles.
- Configured and deployed backend components on Azure Virtual Machines and Azure SQL, enabling secure and scalable cloud-based data storage.

Software Engineer Intern   **Sept 2024 – Mar 2025**
Genamplify Solutions (A Startup Company)   *Hyderabad, IN*

- Built backend logic for dynamic time-slot generation APIs in Python, automating scheduling based on user-defined intervals and ensuring reliable slot management across a full-day timeline.
- Developed and integrated RESTful APIs for a Healthcare Credentialing System, automating medical and insurance form processing and storing structured data in MongoDB.
- Optimized data validation and mapping pipelines, ensuring 100% accuracy between form fields and database schemas.
- Collaborated with QA and DevOps teams to debug and document API endpoints, improving module stability and reducing release defects by 25%.

Project Intern   **Jun 2024 – Aug 2024**
Infosys Springboard   *Remote, IN*

- Led a 6-member team under mentor supervision to deliver a Java Spring Boot–based Mental Wellness Platform, integrating authentication, scheduling, and emergency modules.
- Developed backend logic for session scheduling APIs, enabling real-time booking and coordination between users and therapists.
- Facilitated daily stand-ups and sprint tracking, achieving 100% on-time feature delivery and maintaining alignment between backend and frontend teams.

Projects

Wellness Healthcare Platform | *Java, Maven, Springboot, Git, IntelliJ* | *Source Code*

- Designed and developed secure backend APIs for authentication, appointment scheduling, and billing using Spring Boot and JWT-based access control.
- Refactored MongoDB queries and indexes, improving API response time by 25% and ensuring consistent data flow across modules.
- Implemented automated testing with JUnit and Postman, enhancing reliability and coverage across all endpoints.

AI In Personalised Learning | *Python, Machine Learning, Git, VS Code* | *Source Code*

- Trained ML models on 700 K+ student interactions (K-Means, Random Forest) achieving 85% accuracy in performance prediction.
- Developed a Streamlit-based interface for real-time progress tracking and insights, improving learning efficiency by 20% in evaluations.
- Used Git for version control, Azure for deployment, and automated data pipelines to refresh analytics dynamically.

Technical Skills

Languages: Python, Java, JavaScript, HTML5, CSS, C
Libraries/Frameworks: Django, Flask, Spring Boot, Node.js, React.js, Next.js
Databeses/Cloud: PostgreSQL, MySQL, MongoDB, Microsoft Azure, AWS, Docker, Git, GitHub Actions, Shell Scripting
Core Competencies: Operating Systems, Data Structures & Algorithms, Cloud Computing, Database Management Systems

Education

Minor in Artificial Intelligence – Masai School × IIT Ropar (Online)   **Sept 2024 – Sept 2025**

Bachelor of Technology in Computer Science   **Nov 2020 – May 2024**
B.V.C College of Engineering, CGPA: 7.72   *Rajahmundry, IN*