Manish N

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EDUCATION

Alva's Institute of Engineering and Technology, Mangalore CGPA : 9.1
Bachelor of Engineering in Computer Science and Engineering *Dec 2020 – July 2024*

EXPERIENCE

Full Stack Developer Intern Oct 2023 – Dec 2023
QSpiders *Mangalore, Karnataka*
- Developed and enhanced back-end services using Java and Spring Boot driving a 35% increase performance
- Incorporated MySQL with Hibernate for database interactions resulting in a 20% reduction in data retrieval times
- Collaborated in Agile development practices including sprint planning, daily stand-ups, and retrospectives

C# Developer Intern Feb 2024 – Aug 2024
Juego Studios *Bengaluru, India*
- Engineered 2D, 3D, and multiplayer game mechanics in Unity, optimizing performance and user engagement
- Integrated Firebase and .NET for real-time data synchronization, enhancing backend reliability and game-play
- Optimized memory management and rendering pipelines, reducing load times and boosting FPS stability by 30%

PROJECTS

Prediction of Diabetic Retinopathy | *C++, Python, OpenCV, TensorFlow* Jan 2024 – May 2024
- Designed advanced image enhancement techniques in OpenCV, improving feature extraction by 50%
- Refined neural network architecture, lowering false positive detection rates by 25%
- Streamlined data processing workflow, cutting down image analysis duration significantly

Water Drinking Reminder App | *Java, Kotlin, Android Studio, XML* June 2023 – Dec 2023
- Built an intuitive hydration tracking app, ensuring 95% accuracy in daily water intake monitoring
- Leveraged WorkManager and AlarmManager for precise reminders, increasing adherence rates by 40%
- Optimized data handling with SharedPreferences and Room Database, minimizing app startup time by 30%

Online Food Ordering System | *HTML, CSS, PHP, XAMPP (Apache, MySQL, PHP)* Jan 2023 – May 2023
- Developed an adaptive food ordering application with PHP and MySQL, reducing order processing delays by 40%
- UI/UX using HTML, CSS, and responsive design, enhancing user accessibility
- Refined MySQL database queries, improving data retrieval efficiency by 50% and reducing server response time

CODING PROFILES

- **CodeChef**: Solved **600+** challenges focused on **Data Structures and Algorithms**
- **LeetCode**: Completed **150+** problems based on **Complex DSA and OOPS**

TECHNICAL SKILLS

Languages: C#, Java, Python, C/C++, SQL, JavaScript, HTML/CSS
Frameworks: Unity, React, Node.js, WordPress, Rest API, OpenCV, Spring
Developer Tools: Git, Docker, VS Code, Visual Studio, IntelliJ, Eclipse, Jupyter, Rider, Android Studio
Libraries: pandas, NumPy, Matplotlib, React
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming,, Software Engineering, Computer Networks, Machine Learning

CERTIFICATIONS

- **Postman API**: Postman API Student Expert
- **Wipro TalentNext**: Talent Next Java Full Stack
- **NPTEL**: Introduction to the Internet of Things & Computer Networks and Internet Protocols
- **Udemy**: C# Masterclass & Java Programming Master Class