Upasana Nilesh Bhatt

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EDUCATION

University of Dayton, Ohio   August 2022 – May 2024
Master of Science in Computer Science

University of Mumbai, Universal College of Engineering, Mumbai   August 2017 – October 2020
Bachelor of Engineering in Information Technology

SKILLS

Java Development: Spring Framework, REST Web Services, Microservice, Java
Web Development: HTML, CSS, JavaScript, Python, React Native, PHP
Databases: MongoDB, Firebase, MySQL, PostgreSQL, Oracle
Tools & Technologies: Android, iOS, Vue.js, Angular, Node JS, MS Suite, Visual Studio, GitHub, CI/CD tools, AWS
Concepts: Object Oriented Programming, Functional Programming, Agile (Scrum), Waterfall
Operating Systems: Linux, Windows, macOS, Unix
Soft skills: Relationship-building, Time Management, Attention to Detail, Decision-making, Problem-solving, Adaptability

PROFESSIONAL EXPERIENCE

WhiteHatJr (Mumbai, MH)   September 2020 – August 2022
    Programmer
- E-commerce Features: Designed and developed comprehensive e-commerce functionalities, increasing user engagement by 40%.
- Weather Forecasting App: Built a weather app with a 98% accuracy rate for weather predictions using API integrations.
- Library Management System: Created a system that reduced book lending and return processing time by 50%.
- Buzzer App: Developed an interactive buzzer app used in over 20 events, improving participant engagement by 30%.
- Games: Created popular games like Angry Bird, T-Rex Browser Game, and Ping-Pong.
- Technologies Used:
    Languages: Utilized React Native, Java, Python, JavaScript, HTML, and CSS in development.
    Development Environments: Proficient in Android Studio and Visual Studio Code.
    Database Management:
    Firebase Database: Effectively managed data for applications using Firebase Database by Google.
    Optimization: Optimized database performance, reducing data retrieval time by 60%.
    API Integration:
    Integrated over 15 APIs to enhance application functionality and user experience.
    Ensured reliable API calls with a 99% success rate, contributing to seamless feature integration and performance.

Sahu Technologies (Mumbai, MH)   January 2020 – March 2020
    Big Data and Data Modeling Intern
- Data Model Optimization: Utilized strong analytical skills and technical expertise to execute diverse operations on the data model, leveraging advanced DAX functions, resulting in a 50% improvement in efficiency and a 40% increase in accuracy.
- Tutorial Development: Developed a comprehensive tutorial for CouchDB, which was integrated into the company portal.
- Impact: Enhanced accessibility and understanding of CouchDB technology among 150+ employees, leading to a 35% increase in internal usage and proficiency.
- Knowledge Base Contribution: Contributed significantly to the company's knowledge base, increasing resource utilization by 25%.

DigiLab (Dayton, OH)   May 2023 – May 2024
    Digitization Specialist
- Project Coordination: Managed cross-functional teams, ensuring timely delivery of projects within budget, achieving a 95% on-time project completion rate.
- Technology Integration: Spearheaded the adoption of over 15 digital tools and services, modernizing library operations.
- Process Improvement: Implemented process improvements, reducing project turnaround time by 30% and increasing team efficiency.

Roesch Library (Dayton, OH)   October 2022 – May 2024
    Library IT Support Assistant
- System Testing: Conducted comprehensive testing procedures for the library management system, identifying and resolving bugs to improve system stability by 40%.
- User Training: Provided training sessions for library users, enhancing their ability to navigate and utilize digital resources, resulting in a 30% increase in self-service usage.
- Technical Documentation: Developed and maintained technical documentation and user guides, reducing support request turnaround time by 25%.
- Feedback Implementation: Gathered user feedback to continuously improve support services and system functionality, leading to a 20% decrease in recurring issues.

PROJECTS

1. CrisisNetwork for Remote Treatment to SUD Communities
Mobile App Development: **Android Studio (Java)**
- Led a team in creating CrisisNetwork, an Android app offering remote treatment services for substance use disorder (SUD) communities in Dayton. This project highlighted leadership, mobile app development, and a commitment to leveraging technology for social impact in healthcare.

2. Soil Analysis and Crop Fertility Prediction
Tools and Libraries used: **scikit-learn, Pandas, NumPy**
- Developed an advanced agricultural system using decision tree algorithms for precise soil analysis, crop recommendations, water needs, and rainfall predictions. This project showcased expertise in data analytics and predictive modeling in agriculture.

3. Digi-Class IoT System and Student Profile Management
Programming Languages and database used: **Python, MySQL**
- IOT Development: **Arduino, Raspberry Pi**
  Engineered an IoT-based system for managing classroom lights via Bluetooth and internet and developed a Student Profile Management System with attendance tracking and note sharing. These projects demonstrated strong skills in IoT technology and database management.

4. GPS Vehicle Tracking and Theft Detection
GPS Integration: **Google Maps API**
Programming Languages used: **Java**
- Designed and implemented a vehicle tracking system using GPS technology to enhance security and prevent theft. This project showcased expertise in GPS tracking, data security, and real-time monitoring.

5. College Event Management System
Web Development: **HTML, CSS, JavaScript**
Database Management: **MongoDB**
- Developed an event management system for college events, demonstrating proficiency in software development, UX design, and project management, showcasing the ability to create intuitive and efficient solutions for complex scenarios.

CERTIFICATIONS

- Create Your First **Web App** with **Python** and **Flask**
- **Game Design** Fundamentals
- Complete **Web Developer**
- **AWS** Certified Cloud Practitioner
- **Python** Programming Masterclass
- **NASA** Galactic Problem Solver
- **AWS** Certified Developer Associate