Ankita Vilas Pimpalkar

+1 (571)4384537 | apimpalkar707@gmail.com | GitHub | Portfolio | LinkedIn

EDUCATION

George Washington University Washington DC, USA
Masters in Computer Science Aug 2024 – Present
Coursework: Advanced Software Paradigms, Design and Analysis of Algorithms, Computer System Architecture, Software engineering, Data Mining, Cloud Computing

Chandigarh University Chandigarh, India
Bachelor of Engineering in Computer Science and Engineering Aug 2016 – Aug 2020
Coursework: Data Structures and Algorithms, Programming in Java and Python, Relational Database Management System, Software Engineering, Big Data Analytics, Data Warehouse and Mining, Machine Learning, Artificial Intelligence

PROFESSIONAL EXPERIENCE

Full stack Developer, Freelancing (Stealth Startups - Alternative Structure Group, Friends-Square, Go-Scale) Aug 2022 – May 2024
- Built impactful landing pages and implemented a robust database for a fintech startup, Alternative Structure Group, **optimizing user experience** and data management, leading to a 40% increase in engagement and a 30% reduction in backend processing time.
- **Spearheaded** technical roadmap development, providing strategic recommendations on technology stacks to support company growth and long-term scalability.
- Accomplished new features and **optimized backend functionality** for Friends-Square, a New Delhi-based psychology firm, improving system responsiveness by 35% and enhancing overall user experience.
- Developed dynamic pages and offered database solutions for Go-Scale's client, improving platform performance and delivering a student-centric website for online courses and tutorials, **boosting site traffic by 20%.**

Programmer Analyst Trainee, Cognizant Technology Solutions, Pune, India June 2021 – July 2022
- Created efficient and scalable code that **enhanced system performance** and client satisfaction by customizing a development plan that met their specific requirements, resulting in a **50%** client retention rate.
- Packaged and deployed over **150 applications** using PowerShell scripting, SCCM deployment, SCCM driver packaging, and Intune packaging, resulting in a **75%** success rate.
- Reduced application installation time by 50% by **executing silent installations** using VB-Scripts and Batch-Scripts. **Managed** and maintained large databases with over 10,000 records, resulting in **60%** uptime and **70%** data integrity.

Web Developer Intern, Root Kings, Pauni, India Nov 2020 – May 2021
- Coded and developed core modules using JavaScript, Vue.js, and CSS for Superfan-App, a celebrity game-based social media platform.
- **Collaborated** with team members to create a seamless user experience and **visually appealing interface**.
- Demonstrated exceptional **problem-solving** skills in resolving technical issues and bugs.

PHP Developer Intern, Talent Anywhere Services, Pune, India Aug 2020 – Nov 2020
- Designed and created **high-performance** platforms such as Gujarati Sahitya Forum and NS4ED, using PHP and CodeIgniter, reducing load times by 40% and **enhancing** user engagement by 30%.
- Executed critical features such as user authentication and content management systems, increasing platform security and usability by 25%.

Junior Java Developer Intern, Maxgen Technologies, Pune, India Jan 2020 – Jun 2020
- Devised responsive web pages using Java, HTML, and CSS for BookMyMovie, increasing website **responsiveness** by 20%.
- Conducted **code reviews and debugging**, ensuring a 90% reduction in system errors and ensuring smooth platform operation.

PHP-Trainee, Centre for Development of Advanced Computing, Chandigarh, India May 2018 – Jun 2018
- Developed and applied proficiency in PHP, HTML, and CSS to complete a project **15%** ahead of schedule, successfully meeting distinct project requirements.

SKILLS AND TECHNOLOGY

Languages: Java, Python, PHP, PowerShell Scripting, HTML, CSS, JavaScript, SQL
Databases & Frameworks: MongoDB, MySQL Workbench, CodeIgniter (PHP Framework), Vue.js
Data Analysis Libraries: Pandas, NumPy, Matplotlib
Machine Learning: Linear and Non-Linear Models, Time Series Analysis, Random Forest, SVM, Neural Networks, Unsupervised Methods (Dimensionality Reduction, Clustering)
Tools: VS-Code, MS Office, SCCM (System Center Configuration Manager for managing databases and deploying software), Intune, GitHub
Other Skills: Analytical Thinking, Team Leadership, Cross-Functional Collaboration, Process Optimization, Strategic Planning, Decision-Making

PROJECTS

Handwritten Character Recognition
Designed an expert system for HCR (English) using Neural networks and Python. The proposed expert system, which utilized an ANN architecture, achieved a recognition accuracy of 70% when tested on a benchmark dataset.
Personal Assistant
The fundamental objective of this project was to develop a straightforward, independent application with Integrated Natural Language Processing (NLP) functionality. This would allow users to create tasks and schedule events through voice commands, improving user convenience.