Ankita Vilas Pimpalkar

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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

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
- o Designed 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.
- o **Spearheaded** the development of the technical roadmap, providing **strategic recommendations** on technology stacks, tools, and techniques. Worked closely with the team to understand and meet the **Business Needs** of the company's key clients
- o Implemented 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.
- o 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, **increasing site traffic by 20%.**

Programmer Analyst Trainee, Cognizant Technology Solutions, Pune, India   June 2021 – July 2022
- o Developed efficient and scalable code that **improved system performance** and client satisfaction by customizing a development plan that met their specific requirements, resulting in a **50%** client retention rate.
- o Successfully packaged and deployed over 150 applications using PowerShell scripting, SCCM deployment, and Intune packaging, resulting in a **75%** success rate. Showcased strong potential for growth and leadership through active participation in team-based projects
- o Reduced application installation time by 50% by **implementing 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
- o Coded and developed core modules using JavaScript, Vue.js, and CSS for Superfan-App, a celebrity game-based social media platform.
- o **Collaborated** with team members to create a seamless user experience and **visually appealing interface**.
- o Demonstrated exceptional **problem-solving** skills in resolving technical issues and bugs.

PHP Developer Intern, Talent Anywhere Services, Pune, India   Aug 2020 – Nov 2020
- o Designed and developed **high-performance** platforms such as Gujarati Sahitya Forum and NS4ED, using PHP and CodeIgniter, reducing load times by 40%. Facilitated team meetings and **communicated effectively** with various departments during the internship.
- o Implemented critical features such as user authentication, increasing platform **security and usability** by 25%. Assisted in the development of new software applications and improvements using computer science principles.

Junior Java Developer Intern, Maxgen Technologies**,** Pune, India   Jan 2020 – Jun 2020
- o Developed responsive web pages using Java, HTML, and CSS for BookMyMovie, increasing website **responsiveness** by 20%.
- o Experience in **troubleshooting issues** related to **data infrastructure** ensuring an 80% reduction in system errors, and smooth data flow.

PHP-Trainee, Centre for Development of Advanced Computing, Chandigarh, India   May 2018 – Jun 2018
- o Developed and applied proficiency in PHP, HTML, and CSS to complete a project 15% ahead of schedule, successfully meeting distinct project requirements. Demonstrated a growth mindset by willingly taking on new challenges and learning from experiences.

SKILLS AND TECHNOLOGY

Languages: SQL, Java, Python, PHP, PowerShell Scripting, HTML, CSS, JavaScript
Databases & Frameworks: MongoDB, MySQL Workbench, CodeIgniter (PHP Framework), Vue.js
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

PROJECT

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.